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EasyFil ePLA

FormFutura's ePLA is our go-to PLA filament, with a lower retail price for 1kg spools. It is not only a very affordable PLA. It is also very easy to 3D print with high accuracy and high aesthetic surface quality. The mechanical properties of ePLA are far above average.

Key Features:

- \bigcirc 54 Available Colors
- O Retail price of €19,99 for 1kg spools
- O Improved mechanical properties

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FormFutura's ReFill PLA is a PLA filament without a spool. Refill PLA comes on a coil and fits on reusable master spools. This solution is the most sustainable option and reduces packaging waste.

ReFill PLA is also food contact approved according to EU directives.

Key Features:

 \bigcirc 22 Available Colors

 \bigcirc Available in 0.75kg & 2.3kg coils

O Minimal packaging (no spool and no box)

EasyFil PLA

EasyFil PLA is a high-end "easy to use" impact modified PLA (Poly-Lactic Acid) type of 3D printer filament which is optimized for FFF / FDM 3D printing technology. EasyFil PLA is tougher and less rigid than standard PLA and its improved filament flowing behaviour and interlayer adhesion make EasyFil PLA an extremely easy to print filament.

Key Features:

 \bigcirc Improved strength & impact resistance

- 25 Available Colors \bigcirc A wide variety of vivid opague colors
- \bigcirc Great interlayer adhesion

Premium PLA

Premium PLA is a more pure PLA type of 3D printer filament with higher crystallinity, which makes it the PLA of choice for 3D printing parts with overhangs and for objects where bridging is required. Premium PLA is a slightly harder PLA with an excellent thermal stability and a slightly faster crystallization process of the 3D printed layers and is often used for large(r) scale prototyping on industrial-sized 3D printers. Therefore also available on large industrial spool sizes.

Key Features:

- \bigcirc 10 Available Colors
- \bigcirc Improved strength
- \bigcirc A wide variety of vivid opaque colors
- \bigcirc Great interlayer adhesion



EasyFil PLA - Glow In The Dark

EasyFil PLA - Glow in the Dark offers all properties of EasyFil PLA, but with a unsurpassed green glow in the dark color effect.

EasyFil PLA is a high-end "easy to use" impact modified PLA (Poly-Lactic Acid) type of 3D printer filament which is optimized for FFF / FDM 3D printing technology.

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Key Features:

- ⊘ Glows In The Dark
- \bigcirc Great interlayer adhesion
- O Improved strength & impact resistance



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ReFill PLA



Galaxy PLA

Galaxy PLA is a deep metallic colored PLA-based compound. It is filled with a high amount of silver aluminium-flakes. The added aluminium flakes give a beautiful sparkling, reflecting and glittering surface to printed objects.

Even though its aluminium content Galaxy PLA is not abrasive to the nozzle of your 3D printer.

Key Features:

- \bigcirc 12 Available Colors ○ Real aluminium flakes \bigcirc Non-Abrasive
- Glittering & Shimmering surface finish \bigcirc Wide variety of muted & brilliant colors



Matt PLA

Matt PLA is a 3D printer filament that contains more than 50% recycled content which creates these unique muted colors.

The material is also modified to create a rough and matte surface finish.

Key Features:

 \bigcirc 11 Available Colors

 \bigcirc Matte surface finish

 \bigcirc Wide variety of muted colors

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FormFutura's High Gloss PLA is a modified 3D printing filament that is based on PLA (polylactic acid) and enhanced with other polymers and modifiers, which gives 3D printed parts a surface finish with an extremely high glossy and ref

High Gloss PLA filament comes in various deep brilliant colors and allows you to 3D print parts with almost no visible layers.

Key Features:

⊘ 9 Available Colors C Extremely High Gloss O Highly Reflective

 \bigcirc Smooth surface finish

StoneFil is a EasyFil PLA based compound and is filled with 50% of stone powder.

This high "stone filling" has resulted in a filament with remarkable aesthetic features and a significant higher material density up to 37% higher than standard PLA.

StoneFil is an easy-to-print material and printed objects have an matte stone-like finish with a slight cold touch.

Key Features:

 \bigcirc 4 Available Colors \bigcirc 50% Filled with real stone powder

 \bigcirc ~37% heavier than Standard PLA

 \bigcirc Feels cold by the touch ○ Matte surface finish

By: Niek van Luiin



MetalFil

MetalFil Classic Copper / Ancient Bronze is a composite PLA filament that is filled with approximately 80% copper / bronze powder.

The high copper / bronze content in MetalFil makes 3D printed objects ~300% heavier and is cold to the touch. MetalFil can be post-processed with polishing or various patina / rust effects if using oxidizing agent like salts, vinegar or ammonia.

Key Features:

- \bigcirc 2 Available Colors \bigcirc 80% Filled with metal powder
- \bigcirc ~300% heavier than Standard PLA's
- \bigcirc Rustable Surface \bigcirc Feels cold by the touch





EasyWood is a PLA-based filament which is filled with approximately 40% grinded wood particles. Because of its wood fillings it wont warp and makes it easy to print.

EasyWood looks, feels and smells like real wood, different temperatures can alter the color of the filament, creating an even more realistic wood structure.

Key Features:

- \bigcirc 7 Available Colors
- \bigcirc 40% Filled with real wood particles
- Smells, & Feels like real wood



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Highgloss PLA

 \bigcirc 3D prints with almost no visible layers



By: Christiaan Lefering Instagram: @es_chrizz

StoneFil

EasyWood

○ Rough surface finish



By: Missus Boot Instagram: @bigstompyboot



Tough PLA

FormFutura's Tough PLA is a 3D printer filament that is roughly 750% more impact resistant than regular PLA filaments. Our Tough PLA filament is a performance PLA that combines durability with ABS-like strength properties and yet it is a significantly stiffer 3D printing material than ABS filaments. Tough PLA exhibits excellent layer adhesion allowing 3D printed objects to achieve similar mechanical strength properties compared to injection molding.

Key Features:

- \bigcirc 6 Available Colors \bigcirc Impact strength of 29.8 kJ/m2 ○ Stiff, Strong & Durable
- \bigcirc Machinability properties \bigcirc Superb inter-layer adhesion

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FormFutura's ePETG is our go-to PETG filament. It is an easy to print and affordable 3D printer filament. ePETG has almost no warping, so printing large objects isn't a problem. Printing with ePETG is almost as easy as 3D printing with PLA.

What does the e stand for in ePETG? Forget about E = mc2. Let's redefine E... E = economically priced, European quality filament, environmentally friendly packaged, easy to 3D print, enjoy 3D printing!

Key Features:

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- \bigcirc 54 Available Colors
- \bigcirc Good chemical resistance
- \bigcirc Good impact resistance
- O Excellent inter-layer adhesion



Volcano PLA is an industrial grade PLA which is engineered for professional applications that require high printing speeds and improved heat resistance and mechanical properties similar to ABS. Volcano PLA offers the same mechanical and thermal properties - after annealing - as most ABS filaments, but with the biodegradability and ease of printing of PLA. Volcano PLA combines a high heat resistance with high printing speeds and high impact resistance into a PLA-based filament engineered for industrial applications.

Key Features:

⊘ 8 Available Colors \bigcirc Excellent interlayer adhesion \bigcirc Matte surface finish

 \bigcirc Heat resistance of ~95°C after annealing \bigcirc Less than 0.3% shrinkage after annealing \bigcirc High printing speeds of ~120mm/s

By: Christiaan Lefering Instagram: @es_chrizz



High Precision PLA

FormFutura's High Precision PLA is a more dense and resilient PLA filament that is developed for consistent batch-to-batch production via 3D printing. This filament has a guaranteed precision on diameter, ovality, shrinkage and color tolerances. The diameter and ovalidity of High Precision PLA filament is measured via a continuous 3-axis laser measurement. A 3-axes measurement is far more accurate and ensures that there are no blind spots around the diameter.

Key Features:

 \bigcirc 12 Available Colors \bigcirc 3-axes filament measurement

 \bigcirc Color consistency (\leq Delta E5)

 \bigcirc Tolerance of ±0,03mm for 1.75mm filament \bigcirc Tolerance of ±0,06mm for 2.85mm filament \bigcirc Denser than traditional PLA filaments











EasyFil PET

EasyFil PET is a pure PET filament. It is an amorphous PET filament that is denser and harder than traditional PETG filaments. Next to this, EasyFil PET has a higher melting point and lower moisture intake. This unique set of properties translates to a pure PET filament that enables you to 3D print accurate parts with improved strength and mechanical properties. EasyFil PET is as easy to 3D print as PLA. It 3D prints with almost no warping. This makes EasyFil PET ideal for 3D printing big objects with fine detail.

Key Features:

- \bigcirc 12 Available Colors
- Good UV resistance
- \bigcirc Good chemical resistance

 \bigcirc More dense and rigid than PETG filaments \bigcirc Stronger and more accurate

Instagram: @tomvdberg_

By: Tom van den Berg



ReFill PETG

FormFutura's ReFill PETG is a filament without a spool. Refill PETG comes on a coil and fits on reusable master spools. This solution is the most sustainable option and reduces packaging waste. ReFill PETG is also food contact approved according to EU directives. Sustainability doesn't have to be expensive.

Key Features:

 \bigcirc 12 Available Colors

 \bigcirc For reusable spools

 \bigcirc Resealable bag for coils & spools



HDglass [PETG]

HDglass is a high performance filament based on an unique PETG blend resulting in an amorphous, high strength, high gloss and ultra-transparent 3D printer filament. HD stands for "Heavy Duty", as HDglass is developed to have an optimal thermal stability and by that perfect 3D printing flowing behaviour, resulting in a very easy to print 3D printer filament with a remarkable high gloss, transparency and excellent properties with respect to strength, toughness and temperature resistance.

Key Features:

- \bigcirc 25 Available Colors \bigcirc Wide variety of colors
- O Food contact compliant (Natural)

 \bigcirc Wide variety of translucent colors \bigcirc Oderless printing and processing



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FormFutura's High Precision PET is a pure PET filament that is developed for consistent batch-to-batch production via 3D printing. This filament has a guaranteed precision on diameter, ovality, and color tolerances. The diameter and ovalidity of High Precision PET filament is measured via a continuous 3-axis laser measurement. A 3-axes measurement is far more accurate and ensures that there are no blind spots around the diameter. High Precision PET filaments are RAL specific with a max tolerance of Delta E5. All parameters of each individual spool can be checked by scanning the QR code on the spool.

Key Features:

- \bigcirc 12 Available Colors
- \bigcirc 3-axes filament measurement
- \bigcirc Color consistency (\leq Delta E5)
- Tolerance of ±0,03mm for 1.75mm filament
- Good inherent UV resistance

CarbonFil - [PETG]

Our CarbonFil filament is based upon the unique PETG blend of our HDglass compound and is reinforced with 15% ultra-light and relatively long stringer carbon fibres, which has resulted in an exceptionally stiff carbon-fibre reinforced 3D printer filament.

CarbonFil is twice as stiff as HDglass and yet it is even 10% more impact resistant, which is a remarkable feature for carbon-fibre reinforced filament.

Key Features:

- \bigcirc 3 Available Colors
- \bigcirc Reinforced with 15% relatively long carbon fibres
- \bigcirc Heat deflection temperature of ±85°C
- O High Impact resistance & extremely stiff
- Nice semi forged carbon surface finish
- \bigcirc Great for mechanical parts





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High Precision PET







EasyFil ABS

EasyFil ABS is an advanced and relatively easy to process ABS type of 3D printer filament that offers improved mechanical properties compared to regular ABS filaments.

EasyFil ABS prints at slightly higher printing temperatures than regular ABS, but its superb process stability and physical features make EasyFil ABS a much more impact resistant and printable ABS type of filament compared to average ABS filaments.

Kev Features:

- \bigcirc 14 Available Colors Easy to post-process
- \bigcirc Higher impact resistance than average ABS. \bigcirc Wide variety of vivid opaque colors \bigcirc Viscat softening temperature of ~103°C. \bigcirc Very strong and durable.

Premium ABS

Premium ABS is our entry-level no-nonsense ABS filament, which is very impact resistant. Even though Premium ABS might be our entry-level ABS filament, it still outperforms many other ABS type of 3D printer filaments by far when it comes to printer friendliness and reduced warping. Premium ABS has a great thermal stability and flowing behaviour, which is essential for 3D printing.

Key Features:

 \bigcirc 10 Available Colors \bigcirc Wide variety of vivid opaque colors \bigcirc Good mechanical properties Easy to post-process

 \bigcirc Viscat softening temperature of ~92°C

By: Christiaan Lefering Instagram: @es_chrizz



ClearScent ABS

ClearScent ABS is a translucent MABS type of 3D printer filament that is easy to 3D print with limited warping and styrene smell. This filament features translucency with good mechanical properties.

ClearScent ABS exhibits resistance to various chemicals and complies with UL 94 HB flammability standards.

Key Features:

- \bigcirc 5 Available Colors ○ Translucent & Opaque ABS
- UL 94 HB flammability rating
- \bigcirc Good chemical resistance
- \bigcirc Limited styrene smell when being printed





ABSpro is a professional high-strength ABS (Acrylonitrile Butadiene Styrene) based 3D printer filament - which has been reinforced with a mixture of Styrene Maleic Anhydride (SMA) and PolyCarbonate (PC) - resulting in an incredibly strong and even more impact resistant filament. ABSpro is extremely strong, has an glossy finish and is extremely suitable for printing mechanical parts with high precision and fine detail and has exceptional endurance properties.

Key Features:

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 \bigcirc 2 Available Colors \bigcirc Good chemical resistance ○ Glossy surface finish

O Polycarbonate infused

ABS Pro Flame Retardant

ABSpro Flame Retardant is a PC-ABS 3D printer filament that meets the UL 94 V-0 standard. It 3D prints strong and self-extinguishing parts with superb interlayer bonding and high dimensional accuracy. The mixture used for our ABSpro - Flame Retardant Black compound contains a high percentage of PolyCarbonate, ABS and added halogen-free flame retardant modifiers. Even though the compound contains a high percentage of PolyCarbonate, the flame retardant modifiers allows the filament to be printed at relatively low temperatures.

Key Features:

 \bigcirc Halogen free \bigcirc Superb interlayer adhesion \bigcirc PolyCarbonate infused

EasyFil ABS - Glow In The Dark

EasyFil ABS - Glow in the Dark offers all properties of EasyFil ABS, but with a unsurpassed green glow in the dark color effect.

EasyFil ABS prints at slightly higher printing temperatures than regular ABS, but its superb process stability and physical features make EasyFil ABS a much more impact resistant and printable ABS type of filament compared to average ABS filaments.

Key Features:

- \bigcirc Glows In The Dark \bigcirc Very strong and durable ○ Easy to post-process









ABS Pro [PC-ABS]

C Extremely strong and impact resistant

○ Self-extinguishing flammability properties \bigcirc Engineered to meet UL 94 V-0 standards

 \bigcirc Higher impact resistance than average ABS \bigcirc Viscat softening temperature of ~103°C



TitanX [*ABS]

TitanX is a modified ABS-based 3D printer filament with greatly improved mechanical properties and printability. TitanX is the next generation ABS that 3D prints with high precision and zero warping.

TitanX is used by industries worldwide for creating functional prototypes and end-use parts.

Key Features:

- \bigcirc 7 Available Colors
- \bigcirc Strongly improved mechanical properties
- \bigcirc 65% more impact resistant than regular ABS

 \bigcirc Minimal warping, excellent interlayer adhesion \bigcirc Vicat softening temperature of 97°C \bigcirc Nearly odorless processing and no unpleasant styrene smell



PERFORMANCE



ApolloX is a modified ASA based 3D printer filament with improved mechanical properties and is suitable for 3D printing mechanical parts and outdoor applications with high precision and zero warping. ApolloX is an industrial-grade ASA enhanced with five other polymers and modifiers.

This has resulted in one of the most printer friendly ASA filaments available. ApolloX prints with a precision comparable with injection molding. ApolloX is the perfect engineering filament for outdoor and automotive applications.

Key Features:

PERFORMANCE

- \bigcirc 7 Available Colors
- UV & Weather Resistant
- \bigcirc Greatly improved mechanical properties and strength
- O Perfect interlayer adhesion







ApolloX [ASA]



By: Tom van den Berg Instagram: @tomvdberg_

COMING SOON[™]

Python Flex TPU 85A

Python Flex TPU 85A has great elastic properties: it allows itself to be stretched up to 520% before breaking. Python Flex TPU 85A has an excellent resistance to commonly used industrial oils, chemicals, greases and solvents.

Python Flex TPU 85A is highly suitable for mechanical applications because it's perfectly resistant to wear & tear. It is a shape-memory polymer and will therefore always change back to its original shape.

Key Features:

- Colors To Be Announced
- ⊘ 85A Shore Hardness
- \bigcirc High wear & tear resistance
- \bigcirc Elongation break point of ~520%
- \bigcirc Resistance to industrial oils and chemicals
- O No Warping and perfect interlayer adhesion

greases and solvents.

Python Flex TPU 96A is also perfect for mechanical applications because its perfectly resistance to wear & tear and will always change back in its original form. Python Flex TPU 96A is easy to print and has zero warping.

Key Features:

- Colors To Be Announced
- \bigcirc 96A Shore Hardness
- \bigcirc High wear & tear resistance
- \bigcirc Elongation break point of ~500%
- C Excellent resistance to industrial oils and chemicals
- Food Contact: (EU) Commission Regulation 0/2011 (US) FDA 21CFR177.2600

COMING SOON[™]

Python Flex TPU 90A

Python Flex TPU 90A has great elastic properties as allows itself to be stretched up to 520% before breaking. Because the filament is made of TPU it also has a excellent resistance to commonly used industrial oils, chemicals, greases and solvents.

Python Flex TPU 90A is also perfect for mechanical applications because its perfectly resistance to wear & tear and will always change back in its original form.

Key Features:

- Colors To Be Announced
- \bigcirc 90A Shore Hardness
- \bigcirc High wear & tear resistance
- \bigcirc Elongation break point of ~500%
- \bigcirc Excellent resistance to industrial oils and chemicals
- O No Warping and perfect interlayer adhesion

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Python Flex TPU 98A

Python Flex is a flexible TPU type of 3D printer filament with a shore hardness of 98A and it perfect for 3D printing strong and resilient parts that require flexibility and elasticity.

Python Flex has a shore hardness of 98A and has great elastic properties as allows itself to be stretched up to 450% before breaking. Python Flex is extremely transparent in its natural form and has excellent resistance to oil, greases, microorganisms and abrasion.

Key Features:

- \bigcirc 3 Available Colors
- O Perfect combination of strength, flexibility and elasticity
- ⊘ Heat resistant up to 138°C
- O Excellent resistance to oil, greases, microorganisms and abrasion
- O Warp-free printing and no deformation after cooling
- O Watertight printing possible with only single wall prints









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COMING SOON Python Flex TPU 96A

Python Flex TPU 96A has great elastic properties as allows itself to be stretched up to 350% before breaking. Because the filament is made of TPU it also has a excellent resistance to commonly used industrial oils, chemicals,





Crystal Flex is a SBC type of 3D printer filament that yields formability, toughness, and clarity into is a high-performance semi-flexible 3D printer filament.

Crystal Flex (styrene-butadiene copolymer) yields formability, toughness, and clarity into is a high-performance semi-flexible 3D printer filament. Crystal Flex meets the specifications of the United States FDA Food Packaging Regulation 21 CFR 177.1640 and complies with UL 94 HB flammability standards.

Key Features:

FLEX

 \bigcirc Excellent clarity \bigcirc Semi-flexible, bendable and resilient \bigcirc Food contact acceptable ○ FDA Food Packaging Regulation 21 CFR 177.1640 ○ Food contact acceptable



- Strong & durable
- Excellent UV resistance
- O IEC 60695-11-10 Flammability classification: HB
- \bigcirc No deformation or breaks when stressed by bending

○ UL 94 HB flammability rating

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PERFORMANCE







FlexiFil [TPC]

FlexiFil is a rubber-like high-performance and partially bio-based flexible TPC (Thermoplastic Co-Polyester) type of 3D printer filament. FlexiFil has unique flexural strength properties, as 3D printed objects with FlexiFil will have a "flexural memory", allowing objects to return back to their original position or shape after being bent, dent, or folded. Next to this FlexiFil offers a unique combination of flexibility, long term heat resistance, strength, excellent UV resistance and good resistance to chemicals.







LUVOCOM® 3F PP CF 9928 BK

LUVOCOM 3F PP CF 9928 BK is a carbon fibre reinforced PP filament for 3D printing strong and stiff parts and is suitable for continuous discharging of statically-generated electricity. filament that displays good mechanical properties combined with outstanding chemical resistance and continuous electrostatic discharge (ESD) properties. Luvocom 3F PP CF 9928 BK features excellent printability with enhanced layer bonding, making it a perfect 3D printing filament for serial production of strong, stiff and ESD-safe end-use parts with an extremely high dimensional accuracy.

Key Features:

- \bigcirc Carbon Fibre Reinforced \bigcirc ESD Safe. Surface Resistance of 107 Ω
- Strong, Stiff and Lightweight

 \bigcirc Good chemical resistance ○ Good Mechanical Properties





Centaur PP is a lightweight and high-performance Polypropylene (PP) filament, which is engineered to have outstanding mechanical properties and a superb interlayer adhesion. Centaur PP combines a unique set of material properties into a 3D printer filament, which makes Centaur PP an extremely diverse and multi-functional material suitable for numerous applications ranging from 3D printing dishwasher proof and microwave safe household articles to functional engineering objects with great endurance properties.

Key Features:

- \bigcirc 3 Available Colors
- Food contact compliant natural variant
- \bigcirc Dishwasher proof and microwave safe
- \bigcirc Great elastic properties, can stretched up to >600% before breaking
- \bigcirc High chemical resistance
- O Improved wear, abrasion and fatigue resistance

Pegasus PP-HGS25 Ultralight

Pegasus PP-HGS25 is a PP filament that is enhanced with hollow glass nanotechnology, which makes this 3D printer filament 20% lighter and significantly stiffer than virgin PP filaments. Pegasus PP-HGS25 is a filament that is enhanced with hollow glass nanotechnology, which makes this 3D printer filament 20% lighter than virgin PP filaments. The modification with 25% hollow glass microspheres made from soda-lime borosilicate glass not only make Pegasus PP-HGS25 an extremely lightweight filament, but also significantly stiffer than normal PP filament.

Key Features:

- C Extremely lightweight (Material Density: 0.75 g/cc)
- \bigcirc 20% lighter than average PP and 40% lighter than average PLA
- \bigcirc High chemical resistance
- Significantly stiffer than normal PP filament
- O Good wear-, abrasion-, and fatigue resistance





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Centaur PP

By: Koen Zinnemers Instagram: @cpt_kaoss

PP





By: Christiaan Lefering Instagram: @es_chrizz

COMING SOON[™]

STYX PA6-CF15

FormFutura's STYX PA6-CF15 is a carbon fibre reinforced polyamide 6 (PA6) based 3D printer filament that is extremely stiff and engineered for industrial applications. This 3D printer filament features excellent printability and processing properties that allows you to 3D print parts with mechanical strength and precision comparable to injection molded parts.

Key Features:

 \bigcirc 15% Carbon Reinforced

- \bigcirc Polyamide 6 (PA6) Nylon
- \bigcirc High mechanical and Impact strength

 \bigcirc No enclosure or heated chamber required



LUVOCOM® 3F PAHT 9825 NT

FormFutura's Luvocom 3F PAHT 9825 NT is an unreinforced and high-temperature resistant polyamide 6 (PA6) based 3D printer filament that is engineered for industrial applications. This 3D printing filament exhibits the strength and toughness of pure PA6 nylon without sacrificing any of its printability. This makes Luvocom 3F PAHT 9825 NT a perfect filament for 3D printing functional prototypes and end-use parts with an extremely high dimensional accuracy.

Key Features:

 \bigcirc 50% reduced water uptake

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- \bigcirc Temperature resistant up to 160°C
- Tensile strength up to 85 MPa

FormFutura's Luvocom 3F PAHT 9936 BK is an unreinforced and high-temperature resistant polyamide 6 (PA6) based 3D printer filament that is engineered for industrial applications. This 3D printing filament features the strength and toughness of pure PA6 nylon without sacrificing any of its printability.

Luvocom 3F PAHT 9936 BK filament exhibits a 50% lower water uptake at a four times slower rate compared to standard PA6 nylon filaments and is optimized for 3D printing strong parts with a high quality surface appearance.

Key Features:

 \bigcirc 50% reduced water uptake

- \bigcirc Temperature resistant up to 160°C
- Tensile strength up to 78 MPa

LUVOCOM® 3F PAHT CF 9891

FormFutura's Luvocom 3F PAHT CF 9891 BK is a 15% carbon fiber reinforced polyamide 6 (PA6) based 3D printer filament that is extremely stiff and engineered for industrial applications. This 3D printer filament features excellent printability and processing properties that allows you to 3D print parts with mechanical strength and precision comparable to injection molded parts. This makes Luvocom 3F PAHT CF 9891 BK a perfect 3D printing filament for serial production of strong and stiff end-use parts with an extremely high dimensional accuracy.

Key Features:

- \bigcirc 15% Carbon fibre reinforced
- \bigcirc 50% reduced water uptake
- Temperature resistant up to 160°C



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 \bigcirc Low shrinkage of 0.1% \bigcirc Temperature up to 180°C

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LUVOCOM® 3F PAHT 9936 BK



VT-35%





PEI ULTEM 1010

FormFutura's PEI ULTEM 1010 is an amorphous ultra-performance PEI (Polyether Imide) 3D printer filament using ULTEM 1010 resin. PEI ULTEM 1010 combines excellent thermal properties, exceptional dimensional stability, inherent flame retardancy and good chemical resistance into a high performance 3D printing filament. PEI ULTEM 1010 has a glass transition temperature of 217°C and parts that are 3D printed with PEI ULTEM 1010 filament are suitable for use in applications that will be exposed to continuous service temperatures up to 170°C.

Key Features:

- \bigcirc Glass transition temp.of 217°C
- \bigcirc Long-term hydrolytic stability
- \bigcirc Excellent mechanical properties

 \bigcirc Flame retardant UL 94 V-0 and 5VA ratings O Exceptional chemical resistance

Instagram: @es_chrizz

PEI ULTEM 9085

FormFutura's PEI ULTEM 9085 is an amorphous ultra-performance PEI (Polyether Imide) 3D printer filament using ULTEM 9085 resin. PEI ULTEM 9085 combines excellent thermal properties, exceptional dimensional stability, inherent flame retardancy and good chemical resistance into a high performance 3D printing filament.

PEI ULTEM 9085 is a flame retardant 3D printing filament with low smoke evolution and low smoke toxicity, which meets UL 94 V-0 and 5VA ratings.

Key Features:

- \bigcirc Glass transition temp. of 186°C \bigcirc Long-term hydrolytic stability
- \bigcirc Chemical resistance properties
- \bigcirc Flame retardant UL 94 V-0 and 5VA ratings \bigcirc Low smoke evolution and low toxicity



FormFutura's PPSU (Polyphenylsulfone) is an amorphous ultra-performance 3D printing filament based on sulfone polymer from Solvay. PPSU has a glass transition temperature of 220°C and 3D printed parts with PPSU filament can operate in temperatures up to 180°C.

This makes PPSU extremely suitable for automotive applications around the engine and cylinder block as PPSU is resistant against most common automotive fluids.

Key Features:

○ Solvay PPSU \bigcirc Superior hydrolytic resistance ○ Flame retardant (UL 94 V-0)

 \bigcirc Continuous service temp. of 220°C \bigcirc Low smoke evolution and low toxicity O Radiation resistance Gamma & X-Rays



LUVOCOM® 3F PEEK 9581 NT

With FormFutura's Luvocom 3F PEEK 9581 (Polyether Ether Ketone) we bring one of the most used high performance polymers into a PEEK 3D printer filament. Luvocom 3F PEEK 9581 is a semicrystalline PEEK filament that has outstanding mechanical properties combined with superb thermal and chemical resistance properties. Parts that are 3D printed with Luvocom 3F PEEK 9581 filament are suitable for use in applications that will be exposed to short term service temperatures of up to 260°C and continuous service temperatures up to 250°C.

Key Features:

 \bigcirc Continuous service temp. of 250°C \bigcirc Heat deflection temperature of 145°C Lehvoss Luvocom 3F PEEK 9581 \bigcirc Excellent mechanical properties

○ Flame retardant (UL 94 V-0)

LUVOCOM® 3F PEEK CF 9676 BK

FormFutura's Luvocom 3F PEEK CF 9676 is a carbon-fibre reinforced PEEK (Polyether Ether Ketone) 3D printer filament that has outstanding mechanical properties combined with excellent thermal and chemical resistance properties. The carbon fibres inside Luvocom 3F PEEK CF 9676 filament significantly improve the stiffness and compressive strength properties of 3D printed parts. Parts that are 3D printed with Luvocom 3F PEEK CF 9676 filament are suitable for use in applications that will be exposed to short term service temperatures of up to 280°C and continuous service temperatures up to 250°C.

Key Features:

- Continuous service temp. of 250°C Heat deflection temperature of 280°C
- Lehvoss 3F PEEK CF 9676 BK
- \bigcirc Excellent mechanical properties
- \bigcirc Non flammable

FormFutura's Luvocom 3F PEKK 50082 (PolyEtherKetoneKetone) is a high-performance polymer from the PAEK (PolyArylEtherKetone) family. Luvocom 3F PEKK 50082 is a semi-crystalline PEKK filament which exhibits outstanding mechanical properties combined with excellent thermal-, wear-, and chemical resistance. Parts that are 3D printed with Luvocom 3F PEKK 50082 filament are suitable for use in applications that will be exposed to short term service temperatures of up to 300°C and continuous service temperatures up to 255°C.

Key Features:

- \bigcirc Continuous service temp. of 255°C \bigcirc Flame retardant (UL 94 V-0)
- \bigcirc Unique tribological properties
- \bigcirc Excellent mechanical properties

ORM **3D PRINTING MATERIALS**

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 \bigcirc Very high strength & stiffness in all directions

LUVOCOM® 3F PEKK 50082 NT

 \bigcirc Low smoke evolution and low toxicity \bigcirc Exceptional chemical resistance properties



AquaSolve

AquaSolve PVA (polyvinyl alcohol) is a water-soluble support material for complex multi-extrusion 3D printing. AquaSolve PVA is a 3D printer filament with good thermal stability and can be 3D printed at relatively low temperatures. This makes AguaSolve PVA an ideal support material for PLA-based materials with good thermal and chemical adherence.

Key Features:

- Excellent (cold) water solubility
- \bigcirc Max thermal stability of 210°C
- \bigcirc Can be disposed in the kitchen sink
- \bigcirc Biodegradable once dissolved in water \bigcirc Good bonding to PLA-based materials

Atlas Support

Atlas Support is a water-soluble PVA (polyvinyl alcohol) support material for complex multi-extrusion 3D printing with PETG based materials. Atlas Support is a 3D printer filament with improved thermal stability and can be 3D printed at slightly higher temperatures compared to regular PVA. This makes Atlas Support an ideal PVA support material for PETG-based materials with good thermal and chemical adherence.

Key Features:

- \bigcirc Excellent (cold) water solubility \bigcirc Max thermal stability of 225°C
- Biodegradable once dissolved in water \bigcirc Good bonding to PETG-based materials \bigcirc Can be disposed in the kitchen sink \bigcirc Less sensitive to deterioration by humidity

Helios Support

Helios Support is a water-soluble PVA (polyvinyl alcohol) support material for complex multi-extrusion 3D printing with styrene-based materials, or thermoplastics that need to be 3D printed at elevated temperatures. Helios Support is a 3D printer filament with excellent thermal stability that can be 3D printed at nozzle temperatures up to 250° C. This makes Helios Support an ideal PVA support material with good thermal and chemical adherence to Styrene-based filaments and other materials that need to be 3D printed at higher temperatures.

Key Features:

- \bigcirc Good bonding to Styrene Materials \bigcirc Max thermal stability of 250°C \bigcirc Can be disposed in the kitchen sink
- Great solubility in lukewarm water Biodegradable once dissolved in water





FormFutura's BVOH - Butanediol Vinyl Alcohol Co-polymer - 3D printer filament is an advanced water-soluble support material for complex multi-extrusion 3D printing. BVOH bonds to nearly all 'build materials' and it dissolves in water at a faster rate than PVA support materials. Its thermal stability is optimized to eliminate any risk of your hot-end clogging up by thermal degradation.

Key Features:

- \bigcirc Compatible with nearly all build materials
- Easily solubility in water
- O Resistant to thermal degradation through optimized melt flow properties
- O Waste can be disposed of by flushing it through any regular household drain

EasyFil HIPS

EasyFil HIPS is a high-performance and easy to print High Impact PolyStyrene type of 3D printer filament, which is slightly softer and more flexible than average HIPS filaments and by that making it a very impact resistant HIPS filament. EasyFil HIPS is very chemically inert and has outstanding characteristics with respect to hygiene, strength and heat resistance and it prints really smoothly and in fine detail with an extremely matte surface finish. EasyFil HIPS printed parts are very light-weight and can easily be glued together with a variety of adhesives.

Key Features:

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- \bigcirc Soluble in Limonene
- \bigcirc High impact resistance
- Smooth and matte surface finish \bigcirc Light-weight and durable



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BVOH

ReForm rPLA

ReForm rPLA is likely to be the most sustainable PLA filament on the market. This filament is completely made from renewed materials. There are no virgin fossil- or virgin natural resources used to make this PLA filament. The most used polymer in 3D printing is now available in a far more sustainable filament option.

ReFom rPLA comes in a range of deep colors. The formulation of ReForm rPLA is exactly the same as our EasyFil PLA. A proven formulation for printa-

Key Features:

- \bigcirc 8 Available Colors
- 100% Recycled PLA
- \bigcirc Wide variety of highly contrasted and muted colors
- Also on Industrial Size Cardboard Spools of 2300g, 3500g & 4500g

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ReForm rTitan [ABS]

ReForm rTitan is likely to be the most sustainable ABS-based filament on the market. This filament is completely made from renewed materials. There are no virgin fossil- or virgin natural resources used to make this engineering filament. The formulation of ReForm rTitan is exactly the same as our TitanX. One of our most used engineering filaments is now available as a more sustainable option. ReFom rTitan is an engineering filament with exceptional mechanical properties. It prints with high dimensional accuracy and without warping.

Key Features:

- \bigcirc 3 Available Colors
- \bigcirc Strong mechanical properties
- O Nearly odorless processing and no unpleasant styrene smell
- Also on Industrial Size Cardboard Spools of 2300g, 3500g & 4500g

ReForm rPET [PETG]

ReForm rPET is likely to be the most sustainable PETG-based filament on the market. This filament is completely made from renewed materials. There are no virgin fossil- or virgin natural resources used to make this PETG filament. One of the most used polymers is now available in a more sustainable filament option. ReFom rPET comes in a wide range of vivid colors.

ReForm rPET profiles are available on the Ultimaker Marketplace. ReForm rPET is an approved and validated partner material.

Key Features:

- 100% Recycled PETG
- \bigcirc Wide variety of high contrasted colors
- ♦ Also on Industrial Size Cardboard Spools of 2300g, 3500g & 4500g

ReForm rApollo [ASA]

ReForm rApollo is likely to be the most sustainable ASA-based filament on the market. This filament is completely made from renewed materials. There are no virgin fossil- or virgin natural resources used to make this engineering filament. The formulation of ReForm rApollo is exactly the same as for our ApolloX. One of the most used ASA-based filaments is now available as a more sustainable option. ReFom rApollo is UV and weather resistant and combines strength with heat resistance.

Key Features:

- \bigcirc 3 Available Colors
 - 100% Recycled ASA ○ UV & Weather Resistant
 - \bigcirc Great mechanical properties
 - Also on Industrial Size Cardboard Spools of 2300g, 3500g & 4500g









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PHOTOPOLYMERS



FormFutura's "Miniature LCD Resin - Model" is the resin for modelling artists. It has fast curing times and 3D prints in high resolution. This 3D printing resin captures the most delicate details in your 3D models. You can 3D print the finest hairs, wrinkles, muscles and facial expressions on your models. Easy!

Key Features:

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- \bigcirc Fast curing times
- \bigcirc 3D prints in high resolution
- ♦ Low viscosity and low odor
- \bigcirc Direct paintable surface
- \bigcirc Dimensional accuracy and stability \bigcirc Compatible with DLP/LCD Printers with 385 - 420nm





Miniature LCD Resin - Model





Economy LCD Resin

FormFutura's Economy LCD Resin is our entry level 3D printing resin. This resin is ideal for beginners and prints with a very limited smell. It combines accuracy with short curing times and a nice matte surface finish. Our Economy LCD Resin makes resin 3D printing more accessible, with a retail price of €29,95 per kg.

Key Features:

- \bigcirc 11 Available Colors
- Limited smell
- O Compatible with DLP and LCD 3D printers in the range of 385 420nm

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Spectrum LCD Resin

FormFutura's "Spectrum LCD Color Mix - Standard Resin" is a high-quality 3D printing resin. This resin has mechanical properties like PLA and thermal properties like ABS. Spectrum LCD Color Mix resin combines easy printability with excellent heat resistance and stiffness. The ingenuous color mixing concept of our Spectrum resins resulted in an impressive amount of 29 RAL colors that can be obtained by adding our Spectrum Color Pigments to the resin. You can even fine-tune your own colors by mixing pigments into a new color.

Key Features:

- \bigcirc 29 Available RAL Colors
- \bigcirc Impressive heat resistance of 121°C
- O Compatible with DLP and LCD 3D printers in the range of 385 420nm

Platinum LCD Resin

FormFutura's Platinum LCD Series is a general-purpose photopolymer LCD resin that is specifically developed to work with all open source LCD and DLP 3D printers in the range of 385 - 420nm. Our Platinum LCD resin is almost odorless and 3D prints with extremely high accuracy and a very smooth surface finish. The Platinum LCD Resin series is developed to 3D print with relatively short curing times.

Key Features:

- \bigcirc 4 Available Colors
- Almost no odour
- UV & Weather Resistant
- \bigcirc Low water absorption
- Excellent dimensional accuracy and low shrinkage
- Compatible with DLP and LCD 3D printers in the range of 385 420nm

By: Siddhant Gautam



Spectrum LCD Resin - Water Washable

Our Spectrum LCD Color Mix - Water Washable Resin is a high-quality 3D printing resin. This material offers excellent printability and cleaning properties. Using this resin allows you to clean prints by simply using water. Furthermore, the ingenuous color mixing concept of our Spectrum resins resulted in an impressive amount of 29 RAL colors that can be obtained by adding our Spectrum Color Pigments to the resin. You can even fine-tune your own colors by mixing pigments into a new color.

Key Features:

- 29 Available RAL Colors
- \bigcirc Clean prints by simply using water
- \bigcirc Very safe, simple and fast removal process of uncured resin
- O Compatible with DLP and LCD 3D printers in the range of 385 420nm



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Dental LCD Resin - Model

FormFutura's Dental LCD Model Resin is a high-precision photopolymer resin designed for accurate modelling of dental models, aligner models, gums, teeth, crown and bridge models with removable dies. Dental LCD Model is specifically engineered to work with all open source LCD and DLP 3D printers in the range of 385 - 420nm. Dental LCD Model resin has a surface finish and color similar to gypsum, which perfectly accentuates depth and detail in the dental model. Formfutura Dental LCD Model resin is meant for modelling purposes only and not for intraoral use.

Key Features:

- \bigcirc 2 Available Colors
- \bigcirc High-resolution 3D printing with fine detail
- Almost Odorless processing
- \bigcirc Excellent dimensional accuracy and low shrinkage
- O Temperature resistant for dental aligner production
- Compatible with DLP and LCD 3D printers in the range of 385 420nm

Engineering LCD Resin - Strong

Our Engineering LCD Series - Strong Resin is a black colored 3D printing resin that finds its "strength" in a unique combination of excellent flexural strength properties combined with impressive tensile strength properties.

The combination of strength with stiffness make FormFutura's Engineering LCD Series – Strong Resin a very versatile 3D printing resin for a wide range of heavy duty applications.

Key Features:

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- \bigcirc Flexural strength up to 120 MPa
- \bigcirc Strong, Stiff and Durable
- \bigcirc High dimensional accuracy and low shrinkage
- \bigcirc Almost odorless processing
- O Compatible with DLP and LCD 3D printers in the range of 385 420nm

Castable LCD Resin - Castable Wax

FormFutura's Castable LCD Series - Castable Wax Resin is a blue wax-based castable photopolymer 3D printing resin that is specifically engineered for compatibility and excellent processability with all type of open source LCD / LED / MSLA 3D printers. Our Castable Wax Resin is a highly accurate waxbased casting resin for 3D printing direct investment casting parts for dental, jewellery and industrial applications.

Key Features:

- ♦ Ash-free burnout
- \bigcirc Low expansion factor
- O High dimensional accuracy with low shrinkage factor
- Almost odorless processing
- \bigcirc Smooth surface with incredibly fine detail
- Compatible with DLP and LCD 3D printers in the range of 385 420nm

Bv: Christiaan Lefering Instagram: @es_chrizz



Engineering LCD Resin - Tough

Our Engineering LCD Series - Tough Resin is an impact resistant 3D printing resin that combines toughness with durability and displays outstanding scratch resistance properties.

FormFutura Engineering Series - Tough Resin is a perfect match for 3D printing functional prototypes and producing operational parts for various applications, ranging from household parts to industrial replacement parts.

Key Features:

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- \bigcirc Excellent scratch resistance O High dimensional accuracy and low shrinkage
- \bigcirc Almost odorless processing
- \bigcirc Good fatigue resistance

○ High impact resistance

O Compatible with DLP and LCD 3D printers in the range of 385 - 420nm









Engineering LCD Resin - Flex 82A

Our Engineering LCD Resin - Flex 82A is a soft-touch 3D printing resin with rubber-like properties. This engineering resin has material properties like TPU with a shore hardness ranging from 82A to 87A. The combination of semi-flexibility with strength makes this Engineering LCD Resin - Flex 82A a versatile material for various applications.

Parts 3D printed with this resin show a good resistance to repeated exposure to compression, bending and flexing.

Key Features:

- \bigcirc Rubber-like material properties
- O Good resilience to bending, flexing, and compression
- \bigcirc Excellent material for damping and shock absorption
- O Compatible with DLP and LCD 3D printers in the range of 385 420nm

Engineering LCD Resin - Flex 63A

Our Engineering LCD Series – Flex 63A Resin is a very flexible and extremely transparent 3D printing resin with a low surface shore hardness of 63A.

The combination of flexibility with elasticity make FormFutura's Engineering LCD Series - Flex 63A Resin a very versatile 3D printing resin for a wide range of applications.

Key Features:

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- \bigcirc Excellent flexibility
- \bigcirc High elongation properties up to 80%
- \bigcirc Good elasticity properties
- O Extremely transparent with virtually no discoloration and/or yellowing
- O High dimensional accuracy and low shrinkage
- Compatible with DLP and LCD 3D printers in the range of 385 420nm

Engineering LCD Resin - Impact 71D

FormFutura's Engineering LCD Resin – Impact 71D is a durable 3D printing resin. This engineering resin has mechanical properties like ABS with an improved impact strength. Impact 71D resin has excellent machinability properties, and 3D-printed parts can easily be post-processed.

Because of its durability, the 3D-printed parts are excellently suitable to drill into. This makes Impact 71D resin a perfect match for 3D printing mechanical and operational parts.

Key Features:

- \bigcirc ABS-like strength and stiffness
- Improved impact resistance
- \bigcirc Excellent machinability properties
- Durable, Stuff and Strong
- Compatible with DLP and LCD 3D printers in the range of 385 420nm



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Engineering LCD Resin - Ultimate 2TW

FormFutura's Engineering LCD Resin - Ultimate 2TW is a very versatile 3D printing resin. This resin is tough and temperature resistant. Next to this, it exhibits excellent UV and weathering stability.

Ultimate 2TW is an impact resistant material with a modulus comparable to PP. It has memory shape capabilities and bends back when heated over 70C. A perfect match for many end-use part applications.

Key Features:

- \bigcirc High toughness and temperature resistance
- O Modulus similar to Polypropylene (PP)
- Excellent UV and weathering stability specs
- \bigcirc Memory shape capabilities
- \bigcirc Low skin irritation characteristics
- O Compatible with DLP and LCD 3D printers in the range of 385 420nm









FORMFUTURA B.V.









FormFutura's Heavy Duty Resin is an engineering type of photopolymer resin that is specifically developed to work with all open source SLA, DLP, and LCD 3D Printers in the range of 385 - 405nm.

Our Heavy Duty Engineering resin combines an impressive flexural strength with high-temperature resistance and durability.

Key Features:

- Flexural strength of 135 MPa
- Strong, Stiff and Durable
- \bigcirc High heat resistance of 128°C
- \bigcirc High dimensional accuracy and low shrinkage
- Almost odorless processing
- Also compatible with DLP/LCD 3D printers in the range of 385 420nm

High Performance Resin – Rigid Ceramic

FormFutura's High Performance Rigid Ceramic resin exhibits phenomenal material stiffness and strength properties. Our Rigid Ceramic resin is reinforced with durable nanoparticle ceramics. This makes it one of the stiffest and strongest materials available on the market. A flexural modules of 9.5 GPa and a maximum flexural strength of 170 MPa can be obtained. Parts made with Rigid Ceramic Resin feature an impressive resistance to bending. Even when a significant amount of load is being applied to the 3D printed part. Next to this, the material has excellent chemical and heat resistance properties. Rigid Ceramic resin 3D prints with an incredibly high detail resolution and smooth matte finish.

Key Features:

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- O Reinforced with durable nanoparticle ceramics
- A superb maximum flexural modulus of 9.5 GPa
- A superb flexural strength up to 170 MPa
- \bigcirc Dimensionally stable under load
- \bigcirc Strong chemical resistance
- \bigcirc Good thermal resistance



FormFutura's Tough Resin is an engineering type of photopolymer resin that is specifically developed to work with all open source SLA, DLP, and LCD 3D Printers in the range of 385 – 405nm. Our Tough Engineering resin is extremely transparent and perfectly balances a high impact strength with semi-flexibility. Its high level of toughness makes Formfutura Tough Resin ideal for creating strong and functional parts that will be exposed to repeatedly brief periods of intense stress or strain

Key Features:

- \bigcirc Good UV and weather resistance
- \bigcirc Good fatigue resistance
- \bigcirc Extremely transparent with virtually no discoloration and/or yellowing
- O High dimensional accuracy and low shrinkage
- \bigcirc Also compatible with DLP/LCD 3D printers in the range of 385 420nm



3D PRINTING MATERIALS





FORMFUTURA B.V.





By: Christiaan Lefering Instagram: @es_chrizz

ACCESSORIES



FEP Film (100µm)

FormFutura's 100µm High Light Transmittance FEP (Fluorinated Ethylene Propylene) film is specifically engineered for 3D printing applications. It combines the highest transparency rate in FEP film with excellent light transmission properties. This FEP film has the lowest refractive index of all plastic films and is compatible with most of the LCD/DLP 3D Printers in the market.

Key Features:

ACCESSORIES

ACCESSORIES

- \bigtriangleup 100µm (Micron)
- Available in 150mm x 200mm and 210mm x 300mm
- \bigcirc High transmittance of ultraviolet light of up to 96%
- \bigcirc Tensile strength of ±19.5MPa
- O Very high resistance to chemicals, electricity and solvents
- \bigcirc A wide working temperature range of -200°C to +200°C [-328°F to 392°F]

EasyClean Resin Cleaner

EasyClean resin cleaner is chemically engineered to safely and effectively remove any uncured photopolymer 3D printing resin in the range of 385 – 420nm from SLA, DLP, or LCD 3D printed objects. EasyClean is made from organic solvents and is safer and more effective than Isopropyl Alcohol (IPA) and can be used roughly 3 times longer than IPA.

Key Features:

- ⊘ Superb cleaning properties
- Non-flammable and Limited odor
- Available in 1000ml, 5000ml and 10000ml.
- \bigcirc Breaks down resin better than IPA and other solutions
- O Compatible with magnetic stirrers, ultrasonic cleaners and wash/curing stations
- O Compatible with all UV resins for SLA, DLP, and LCD 3D printing technologies





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3D PRINTING MATERIALS

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FormFutura B.V.

Tarweweg 3 - 6534 AM Nijmegen - The Netherlands

SCAN FOR MORE INFO



Info: +31 (0)88 743 4000 Sales: +31 (0)88 743 4001

info@formfutura.com sales@formfutura.com

WWW.FORMFUTURA.COM



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