

# Technical Data Sheet



## Product name: EasyFil™ PLA

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EasyFil™ PLA is an “easy to use” high-end PLA (Poly-Lactic Acid ) type of 3D printer filament. With retaining the typical PLA features, EasyFil™ PLA is slightly modified with an impact modifier, making the filament tougher, less rigid, slightly softer and therefore “easy to print” at relatively low temperatures. By being slightly modified, EasyFil™ PLA is much longer preservable than normal PLA.

Another great advantage of EasyFil™ PLA - compared to regular PLA - is EasyFil™'s low shrinkage factor, which makes EasyFil™ PLA nearly warp-free and therefore EasyFil™ PLA will not deform after cooling.

Properties	Typical value	Test Method	Test condition
<b>Physical</b>			
Specific gravity	1.24 g/cc	ASTM D1505	-
Melt flow rate	6.0 g/10min	-	-
Water absorption	-	-	-
Moisture absorption	-	-	-
<b>Mechanical</b>			
Impact strength	7.5 KJ/m <sup>2</sup>	-	-
Tensile strength	110 Mpa (MD)	ASTM D882	-
Tensile modulus	3310 Mpa (MD)	ASTM D882	-
Elongation at break	160% (MD)	ASTM D882	-
Flexural strength	± 55.2 Mpa	-	-
Flexural modulus	± 2392.5 Mpa	-	-
Hardness	-	-	-
<b>Thermal</b>			
Print temperature	± 180 - 220° C	-	-
Melting temperature	± 210 ± 10° C	-	-
Viscat softening temp.	± 60° C	ISO 306	-
<b>Optical</b>			
Haze	2.1%	ASTM D1003	-
Transmittance	-	-	-
Gloss	90	ASTM D1003	Gloss, 20°

Product details, certifications and compliance		Diameter	Tolerance	Roundness
HS Code	39169090	1.75mm	± 0.05mm	≥ 95%
REACH compliant	Yes	2.85mm	± 0.10mm	≥ 95%
RoHS certified	Yes			
FDA Approved	Yes			

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