

Technical Data Sheet



Product name: EasyFil™ PLA

Version: v3

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.

Properties	Typical value	Test Method	Test condition
Physical			
Specific gravity	1.24 g/cc	ASTM D1505	-
Melt flow rate	6.0 g/10min	-	-
Water absorption	-	-	-
Moisture absorption	-	-	-
Mechanical			
Impact strength	7.5 KJ/m ²	-	-
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	-	-	-
Thermal			
Print temperature	± 180 - 220° C	-	-
Melting temperature	± 210 ± 10° C	-	-
Viscat softening temp.	± 60° C	ISO 306	-
Optical			
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			

Formfutura BV	CoC: 69099502	Tel: +31 (0)85 002 0881
Groenestraat 215	VAT: NL857733709B01	Email: info@formfutura.com
6531 HH Nijmegen	EORI: NL857733709	Website: www.formfutura.com
The Netherlands		

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