

Technical Data Sheet



Product name: EasyWood™

Version: v3

EasyWood is a wood-filled PLA-based filament which is gravimetrically filled with approximately 40% grinded wood particles. EasyWood is a very easy to print wood filament as it is based on our EasyFil PLA compound and the 40% gravimetrical filling with grinded wood particles make the filament absolutely warp-free.

EasyWood looks, feels and smells like real wood and beautiful wood-nerve structures can be obtained by grinding the printed object a bit with a piece of fine grit sandpaper or by varying with the printing temperature.

Properties	Typical value	Test Method	Test condition
Physical			
Specific gravity	1.20 g/cc	ASTM D1505	-
Melt flow rate	4.5 g/10min	-	-
Water absorption	-	-	-
Moisture absorption	-	-	-
Mechanical			
Impact strength	7.1 KJ/m ²	-	-
Tensile strength	71 Mpa (MD)	ASTM D882	-
Tensile modulus	1930 Mpa (MD)	ASTM D882	-
Elongation at break	171% (MD)	ASTM D882	-
Flexural strength	± 59.6 Mpa	-	-
Flexural modulus	± 2583.9 Mpa	-	-
Hardness	-	-	-
Thermal			
Print temperature	± 200 - 240° C	-	-
Melting temperature	± 145 ± 10° C	-	-
Viscat softening temp.	± 46° C	ISO 306	-
Optical			
Haze	-	-	-
Transmittance	-	-	-
Gloss	-	-	-

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

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