Technical Data Sheet

Product name: EasyCork™

Version: v3

EasyCork is a lightweight cork-filled PLA-based filament which is gravimetrically filled with approximately 30% cork fibres. The gravimetric filling with relatively lightweight cork fibres means that EasyCork has extremely high volumetric cork filling properties, allowing you to 3D print beautiful objects with great cork-like aesthetics and cork-like properties such as being lightweight and impact resistant.
EasyCork is a very easy to print material as it is based on our EasyFil PLA compound and the 30% gravimetrical filling with cork fibres make the filament absolutely warp-free.

Properties	Typical value	Test Method	Test condition
Physical			
Specific gravity	± 1.027 g/cc	ISO 1183	-
Melt flow rate	n.d.	ISO 1133	260° C/5Kg
Water absorption	-	-	-
Moisture absorption	-	-	-
Mechanical			
Impact strength	5-6 KJ/m131	ISO 179	Charpy Notched @23° C (73° F)
Tensile strength	19,4 Mpa	ISO 527	@Yield 50mm/min (2 inch/min)
Tensile modulus	1050 Mpa	ISO 527	1mm/min
Elongation at break	15%	ISO 527	@ Break 50mm/min (2 inch/min)
Flexural strength	-	-	-
Flexural modulus	-	-	-
Hardness	-	-	-
Thermal			
Print temperature	± 210 - 260° C	-	-
Melting termperature	± 160° C	-	-
Viscat softening temp.	± 46° C	-	-
Optical			
Haze	-	-	-
Transmittance	-	-	-
Gloss	-	-	-

Product details, certifications and compliance	
HS Code	39169090
REACH compliant	Yes
RoHS certified	Yes

Diameter	Tolerance	Roundness
1.75mm	± 0.05mm	≥ 95%
2.85mm	± 0.10mm	≥ 95%

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