Technical Data Sheet

FORMFUTURA®

Product name: Galaxy PLA

Galaxy PLA is a deep metallic coloured PLA range - based on our EasyFil PLA compound - with an incredibly high amount of silver aluminium-flakes added. The high added aluminium-flake content gives a beautiful sparkling, reflecting and glittering finish to Galaxy PLA printed objects.

Due to the high amount of silver aluminium-flakes added to the Galaxy PLA compound you can 3D print beautiful shimmering objects without visible layers and subtle colour shadings and radiance. Even though its high silver-aluminium-flaked content Galaxy PLA is not abrasive to the nozzle of your 3D printer.

Properties	Typical value	Test Method	Test condition
Physical			
Specific gravity	1.24 g/cc	ISO 1183	-
Melt flow rate	9.56 g/10min	ISO 1133	-
Water absorption	-	-	-
Moisture absorption	1968 ppm	ISO 62	-
Mechanical			
Impact strength	3.4 KJ/m²	ISO 179	Charpy Notched @23° C (73° F)
Tensile strength	70 Mpa (MD)	ISO 527	@ yield
Tensile modulus	3120 Mpa	ISO 527	-
Elongation at break	0,2	ISO 527	-
Flexural strength	-	-	-
Flexural modulus	-	-	-
Hardness	-	-	-
Thermal			
Print temperature	± 200 - 230° C	-	-
Melting termperature	± 115 ± 35° C	ISO 11357	-
Viscat softening temp.	± 60° C	ISO 306	-
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%