Product name: High Gloss PLA

FormFutura High Gloss PLA is a modified 3D printing filament that is based on PLA (polylactic acid) and enhanced with other polymers and modifiers, which gives 3D printed parts a surface finish with an extremely high gloss and high level of light dispersion and reflection. High Gloss PLA filament comes in various deep brilliant colors and allows you to 3D print parts with almost no visible layers.

Properties	Typical value	Test Method	Test condition
Physical			
Specific gravity	1.24 g/cc	ISO 1183	-
Melt flow rate	210°C / 2,16kg	ISO 1133	8,2 g/10min
Water absorption	-	-	-
Moisture absorption	-	-	-
Mechanical			
Impact strength	2,6 KJ/m²	ISO 179 1eA	Charpy @23° C (73° F)
Tensile strength	71 Mpa	ISO 527	@ yield
Tensile modulus	3200 Mpa	ISO 527	-
Elongation at break	3,6%	ISO 527	-
Flexural strength	-	-	-
Flexural modulus	-	-	-
Hardness	-	-	-
Thermal			
Print temperature	± 215 - 245° C	-	-
Melting termperature	-	-	-
Viscat softening temp.	± 58° 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%