

**Product name: Silk Gloss PLA**

Silk Gloss PLA (polylactic acid) is modified with another polymer to have a very smooth and silky surface finish with a high level of light dispersion and reflection. Silk Gloss PLA exhibits excellent 3D printing properties and allows objects to be 3D printed with a high level of glossiness and almost no visible layers.

Properties	Typical value	Test Method	Test condition
<b>Physical</b>			
Specific gravity	1.24 g/cc	ISO 1183	-
Melt flow rate	14 g/10min	ISO 1133	210° C/2,16Kg
Water absorption	-	-	-
Moisture absorption	-	-	-
<b>Mechanical</b>			
Impact strength	-	-	-
Tensile strength	64 Mpa	ISO 527	@ yield
Tensile modulus	2580 Mpa	ISO 527	-
Elongation at break	-	-	-
Flexural strength	-	-	-
Flexural modulus	-	-	-
Hardness	-	-	-
<b>Thermal</b>			
Print temperature	± 215 - 230° C	-	-
Melting temperature	-	-	-
Viscat softening temp.	± 58° C	-	-
<b>Optical</b>			
Haze	-	-	-
Transmittance	-	-	-
Gloss	-	-	-

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			

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