

SILK PLA

Technical Data Sheet

3DTomorrow Silk PLA is a PLA based filament developed to exhibit a silky and smooth shine. You can expect all filament in this range to have bold colour and disperse light when viewed from different angles, printed parts will therefore have a unique glossy effect. Slower printing and low temperature improves the silky effect. Silk PLA is suitable for all types of FDM/FFF 3D Printer and is easy to print.

OVERVIEW	
Trade Name	3DTomorrow Silk PLA
Chemical Name	Polylactic Acid
Available Colours	Blue Topaz, Ivory Pearl, Light Amethyst, Rose Quartz, White Gold.
Available Sizes	1.75mm

FILAMENT SPECIFICATION		
Size	Ø Tolerance	Roundness
1.75mm	± 0.05mm	≥ 95%

MATERIAL PROPERTIES		
Description	Typical	Test Method
Density	1.24g/cm ³	ISO 1183
Material Flow Rate @ 210°C ~ 2.16kg	14g / 10 minutes	ISO 1133
Tensile Strength at Yield (MPa)	64 Mpa	ISO 527
Strain at Yield	2.9%	ISO 527
E-Modulus	2580 MPa	ISO 527
Glass Transition Temperature	57°C	ISO 11357
Print Temperature	205-225C	