

Technical Data Sheet

Product Name: Eryone Silk Pla
Date: 11.28.2019



ERYONE

Dimensions

Size	Tolerance	Roundness
1.75mm	±0.05	±0.05

Physical Properties

Description	Typical value	Test method
Specific gravity	1.24g/cm ³	ASTM D792
MFR 210 °C/2.16kg	15g/10min	ASTM D1238
Tensile strength at Yield	55MPa	ASTM D638
Strain at yield	50MPa	ASTM D638
Strain at break	58MPa	ASTM D638
E-Modulus	3800MPa	ASTM D638
Impact strength	6KJ/m ²	ASTM D256
Moisture absorption	<1%	ISO 61

Thermal properties

Description	Typical value	Test method
Printing temperature	195-225°C	/
Melting temperature	150°C	ASTM D3418
Vicat softening temp	55°C	ASTM D3418
Glass transition temp	55°C	ASTM D3418

Professional Packaging:

Vacuumed Sealed Packing With Desiccant to avoid humidity.

Good to know:

1. if you are going to leave your printer inactive for more than a couple of days, please retract the filament to protect your printer nozzle
2. In order to extend the life of your filament, please store it in a dry, sealed bag or box. Perfectably, add a packet of Silca Gel to absorb any excess moisture.
3. When storing your filament, please feed the loose end through the holes on the edge of the filament reel to avoid winding so that it feeds properly when you use it next time

Technical Data Sheet

Product Name: Eryone Rainbow Pla

Date: 11.28.2019



Dimensions

Size	Tolerance	Roundness
1.75mm	±0.05	±0.05

Physical Properties

Description	Typical value	Test method
Specific gravity	1.24g/cm ³	ASTM D792
MFR 210 °C/2,16kg	15g/10min	ASTM D1238
Tensile strength at Yield	55MPa	ASTM D638
Strain at yield	50MPa	ASTM D638
Strain at break	58MPa	ASTM D638
E-Modulus	3800MPa	ASTM D638
Impact strength	6KJ/m ²	ASTM D256
Moisture absorption	<1%	ISO 61

Thermal properties

Description	Typical value	Test method
Printing temperature	195-225°C	/
Melting temperature	150°C	ASTM D3418
Vicat softening temp	55°C	ASTM D3418
Glass transition temp	55°C	ASTM D3418

Professional Packaging:

Vacuumed Sealed Packing With Desiccant to avoid humidity.

Good to know:

1. if you are going to leave your printer inactive for more than a couple of days, please retract the filament to protect your printer nozzle
2. In order to extend the life of your filament, please store it in a dry, sealed bag or box. Perfectably, add a packet of Silca Gel to absorb any excess moisture.
3. When storing your filament, please feed the loose end through the holes on the edge of the filament reel to avoid winding, so that it feeds properly when you use it next time