

Product Texts

Printing direction	XY
Printing speed	45 mm/s
Infill	100%-rectilinear
Infill angle	45°/-45°
Extrusion temperature	295°C
Bed temperature	105°C

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	25.5	g/10min	ISO 1133
Temperature	260	°C	-
Load	5	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Shore D hardness	79.2	-	ISO 7619-1

Thermal properties	Value	Unit	Test Standard
ISO Data			
Glass transition temperature, 10°C/min	140	°C	ISO 11357-1/-2

Other properties	Value	Unit	Test Standard
Density	1190	kg/m ³	ISO 1183

3D Data	Value	Unit	Test Standard
Other Standards^[S]			
Tensile modulus, flat	2170	MPa	ISO 527
Tensile strength, flat	53.8	MPa	ISO 527
Stress at break, flat	44.6	MPa	ISO 527
Strain at break, flat	4.8	%	ISO 527
Flexural modulus, flat	1640	MPa	ISO 178
Charpy notched impact strength, +23°C, flat	7.9	kJ/m ²	ISO 179/1eA

S: These properties are reported by the producer according standards that are different to our defaults.

Characteristics**Processing**

Additive Manufacturing

Delivery form

Monofilament

Special Characteristics

Heat stabilized or stable to heat, Sterilizable

Certifications

Food contact, Food approval 10/2011, Food approval FDA 21 CFR

Regional Availability

Europe