

KIMYA PEBA-S

PEBA

ARMOR

Product Texts

Printing direction	XY
Printing speed	44 mm/s
Infill	100%-rectilinear
Infill angle	45°/-45°
Extrusion temperature	240°C
Bed temperature	85°C

Processing/Physical Characteristics**Value****Unit****Test Standard****ISO Data**

Melt flow index, MFI	13.6	g/10min	ISO 1133
Temperature	220	°C	-
Load	10	kg	-

Mechanical properties**Value****Unit****Test Standard****ISO Data**

Shore A hardness	93	-	ISO 7619-1
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Thermal properties**Value****Unit****Test Standard****ISO Data**

Melting temperature, 10°C/min	149	°C	ISO 11357-1/-3
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Other properties**Value****Unit****Test Standard**

Density	1010	kg/m ³	ISO 1183
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3D Data**Value****Unit****Test Standard****Other Standards^[S]**

Tensile modulus, flat	63	MPa	ISO 37
Tensile strength, flat	32.8	MPa	ISO 37
Stress at break, flat	32.3	MPa	ISO 37
Strain at break, flat	550	%	ISO 37
Flexural modulus, flat	70	MPa	ISO 178
Charpy notched impact strength, +23°C, flat	N	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

Regional Availability

Europe

Delivery form

Monofilament