

KIMYA PETG CARBON

PETG-CF

ARMOR

Product Texts

Printing direction	XY
Printing speed	60 mm/s
Infill	100%-rectilinear
Infill angle	45°/-45°
Extrusion temperature	225°C
Bed temperature	60°C

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	9.7	g/10min	ISO 1133
Temperature	225	°C	-
Load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Shore D hardness	75	-	ISO 7619-1

Thermal properties	Value	Unit	Test Standard
ISO Data			
Glass transition temperature, 10°C/min	76	°C	ISO 11357-1/-2

Other properties	Value	Unit	Test Standard
Density	1280	kg/m ³	ISO 1183

3D Data	Value	Unit	Test Standard
Other Standards^[S]			
Tensile modulus, flat	4540	MPa	ISO 527
Tensile strength, flat	52.9	MPa	ISO 527
Stress at break, flat	41.3	MPa	ISO 527
Strain at break, flat	2.6	%	ISO 527
Flexural modulus, flat	2650	MPa	ISO 178
Charpy notched impact strength, +23°C, flat	4.1	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