KIMYA ABS-EC

ABS ARMOR

Product Texts	
Printing direction	XY
Printing speed	45 mm/s
Infill	100%-rectilinear
Infill angle	45°/-45°
Extrusion temperature	260°C
Bed temperature	95°C

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	**12**	g/10min	ISO 1133
Temperature	**280**	°C	-
Load	**10**	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Shore D hardness	**67.2**	-	ISO 7619-1

Thermal properties	Value	Unit	Test Standard
ISO Data			
Glass transition temperature, 10°C/min	**108**	°C	ISO 11357-1/-2

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Surface Resistivity	**1000000**	Ohm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	**1030**	kg/m³	ISO 1183

3D Data	Value	Unit	Test Standard
Other Standards[S]			
Tensile modulus, flat	**2400**	MPa	ISO 527
Tensile strength, flat	**36.7**	MPa	ISO 527
Stress at break, flat	**29.2**	MPa	ISO 527
Strain at break, flat	**5.2**	%	ISO 527
Flexural modulus, flat	**1390**	MPa	ISO 178
Charpy notched impact strength, +23°C, flat	**27.6**	kJ/m²	ISO 179/1eA

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

Characteristics

Processing
Additive Manufacturing

Applications
Electrical and Electronical

Delivery form
Monofilament

Regional Availability
Europe

Special Characteristics
Increased electrical conductivity