ALCOM 3D TCE PC 5020 16116

PC-X20 MOCOM Compounds GmbH & Co. KG

Product Texts	
Base Polymer	Polycarbonate
Filler/Additive System	20 % special filler
Special Features	increased thermal conductivity,antistatic,heat stabilised
Market Segment	Lighting,electrical and electronic
Application Area	Extrusion of 3D printable FDM filaments
Typical Applications	functional components

Mechanical properties	Value	Unit	Test Standard
ISO Data			
[C] Tensile Modulus	**2450**	MPa	ISO 527
[C] Charpy impact strength, +23°C	**60**	kJ/m²	ISO 179/1eU
[C] Charpy notched impact strength, +23°C	**8**	kJ/m²	ISO 179/1eA

[C]: CAMPUS

Electrical properties	Value	Unit	Test Standard
ISO Data			
[C] Surface resistivity	**100**	Ohm	IEC 62631-3-2

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
[C] Density	**1290**	kg/m³	ISO 1183

[C]: CAMPUS

Characteristics

Processing

Injection Molding

Applications

Electrical and Electronical, Filament for 3D Printing

Special Characteristics

Increased electrical conductivity, Anti-static, Heat stabilized or stable to heat

Regional Availability

North America, Europe, Asia Pacific, Near East/Africa

Other text information

Injection molding

Pre-Drying Conditions	in a dry air (dessiccant) dryer 100-120 °C for 2-3 h dependant on moisture content max. moisture content <0,02 %
Processing Injection Moulding	Filament extrusion melt temperature 250-270 °C Recommendations for 3D print depending on printertype 3D print Nozzle temperature 300-320 °C 3D print Bed temperature 80-120 °C 3D print Print speed 10-60 mm/s Additional 3D Printing Surface recommended
Storage	dry, protected from light