ALCOM CFX PBT 1000 16072

PBT | MOCOM Compounds GmbH & Co. KG

Product Texts	
Base Polymer	Polybutylene Terephthalate
Special Features	metallic effect
Market Segment	electrical and electronic,building and construction,sport and leisure
Application Area	injection moulded parts
Typical Applications	housings,bezels

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
[C] Melt volume-flow rate, MVR	**12**	cm³/10min	ISO 1133
Temperature	**250**	°C	-
Load	**2.16**	kg	-

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
[C] Tensile Modulus	**2500**	MPa	ISO 527
[C] Yield stress	**55**	MPa	ISO 527
[C] Yield strain	**10**	%	ISO 527
[C] Charpy impact strength, +23°C	**75**	kJ/m²	ISO 179/1eU
[C] Charpy notched impact strength, +23°C	**4**	kJ/m²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
[C] Temp. of deflection under load, 1.80 MPa	**54**	°C	ISO 75-1/-2
[C] Vicat softening temperature, B	**182**	°C	ISO 306

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
[C] Density	**1280**	kg/m³	ISO 1183

[C]: CAMPUS

Characteristics

Processing

Injection Molding

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 2-4 h in an air circulating dryer 100-120 °C for 4-8 h dependant on moisture content
Processing Injection Moulding	melt temperature 250-270 °C mould temperature 60-100 °C
Storage	dry, protected from light