ALCOM PC 740/1.1 CF20

PC-CF20 MOCOM Compounds GmbH & Co. KG

Product Texts	
Base Polymer	Polycarbonate
Filler/Additive System	20 % carbon fibres
Special Features	electrically conductive,reduced surface resistivity,high stiffness,heat stabilised
Market Segment	Machinery,various
Application Area	injection moulded parts
Typical Applications	housings,functional components,protection caps

Mechanical properties	Value	Unit	Test Standard
ISO Data			
[C] Tensile Modulus	**13800**	MPa	ISO 527
[C] Stress at break	**160**	MPa	ISO 527
[C] Strain at break	**2.1**	%	ISO 527
[C] Charpy impact strength, +23°C	**43**	kJ/m²	ISO 179/1eU
[C] Charpy notched impact strength, +23°C	**8.5**	kJ/m²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
[C] Temp. of deflection under load, 1.80 MPa	**143**	°C	ISO 75-1/-2
[C] Vicat softening temperature, B	**150**	°C	ISO 306

[C]: CAMPUS

Electrical properties	Value	Unit	Test Standard
ISO Data			
[C] Surface resistivity	**50**	Ohm	IEC 62631-3-2

[C]: CAMPUS

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

[C]: CAMPUS

Characteristics

Processing

Injection Molding

Special Characteristics

Increased electrical conductivity

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa

Other text information

Injection molding

Pre-Drying Conditions	in an air circulating dryer 100-120 °C for 4-12 h 120 °C in a dry air (dessiccant) dryer for 2-3 h dependant on moisture content max. moisture content <0,02 %
Processing Injection Moulding	melt temperature 310-330 °C mould temperature 80-130 °C
Storage	dry, protected from light