

ALCOM PC 740/3162.1 CF10 GF10 TF10

(PC+PTFE)-(CF+GF)20

MOCOM Compounds GmbH & Co. KG

Product Texts

Base Polymer	Polycarbonate
Filler/Additive System	10 % glass fibres,20 % carbon fibre/PTFE
Special Features	electrically conductive,improved sliding / wear,high stiffness
Market Segment	Automotive,Machinery
Typical Applications	housings,functional components

Processing/Physical Characteristics

	Value	Unit	Test Standard
ISO Data			
^[C] Melt volume-flow rate, MVR	5.5	cm ³ /10min	ISO 1133
Temperature	300	°C	-
Load	1.2	kg	-

[C]: CAMPUS

Mechanical properties

	Value	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	10700	MPa	ISO 527
^[C] Stress at break	120	MPa	ISO 527
^[C] Strain at break	2	%	ISO 527
^[C] Charpy impact strength, +23°C	40	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	10	kJ/m ²	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] Burning Behav. at 1.5 mm nom. thickn.	V-2	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
Yellow Card available	yes	-	-

[C]: CAMPUS

Electrical properties

	Value	Unit	Test Standard
ISO Data			
^[C] Surface resistivity	300	Ohm	IEC 62631-3-2

[C]: CAMPUS

Other properties

	Value	Unit	Test Standard
^[C] Density	1380	kg/m ³	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 120 °C in a dry air (dessiccant) dryer
for 2-3 h
in an air circulating dryer 100-120 °C
for 4-12 h
dependant on moisture content

Processing Injection Moulding melt temperature 310-330 °C
mould temperature 80-130 °C