ALCOM PA66 910/1.1 CF10 IM

PA66-CF10 MOCOM Compounds GmbH & Co. KG

Product Texts	
Base Polymer	Polyamide 66
Filler/Additive System	10 % carbon fibres
Special Features	electrically conductive,reduced surface resistivity,impact modified,heat stabilised
Market Segment	Automotive,Machinery
Application Area	injection moulded parts
Typical Applications	bearings and sliding elements,functional components

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
[C] Tensile Modulus	**8900 / -**	MPa	ISO 527
[C] Stress at break	**155 / -**	MPa	ISO 527
[C] Strain at break	**2.8 / -**	%	ISO 527
[C] Charpy impact strength, +23°C	**45 / -**	kJ/m²	ISO 179/1eU
[C] Charpy notched impact strength, +23°C	**5 / -**	kJ/m²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
[C] Temp. of deflection under load, 1.80 MPa	**250 / ***	°C	ISO 75-1/-2

[C]: CAMPUS

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
[C] Surface resistivity	*** / 500**	Ohm	IEC 62631-3-2

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
[C] Density	**1170 / -**	kg/m³	ISO 1183

[C]: CAMPUS

Characteristics

Processing

Injection Molding

Regional Availability

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

Special Characteristics

Increased electrical conductivity, High impact or impact modified

Other text information

Injection molding

Pre-Drying Conditions	in a dry air (dessiccant) dryer <80 °C for 2-12 h dependant on moisture content
Processing Injection Moulding	melt temperature 280-300 °C mould temperature 80-120 °C
Storage	dry, protected from light