ALCOM POM 770/1 PTFE18 SI2

(POM+PTFE) MOCOM Compounds GmbH & Co. KG

Product Texts	
Base Polymer	Polyoxymethylene Copolymer
Filler/Additive System	20 % PTFE/Silicone
Special Features	improved sliding / wear
Market Segment	Automotive,Machinery
Application Area	gear wheels, roller bearings
Typical Applications	functional components,bearings and sliding elements

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
[C] Melt volume-flow rate, MVR	**6**	cm³/10min	ISO 1133
Temperature	**190**	°C	-
Load	**2.16**	kg	-

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
[C] Tensile Modulus	**2250**	MPa	ISO 527
[C] Stress at break	**42**	MPa	ISO 527
[C] Strain at break	**42**	%	ISO 527
[C] Charpy impact strength, +23°C	**105**	kJ/m²	ISO 179/1eU
[C] Charpy notched impact strength, +23°C	**4.5**	kJ/m²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
[C] Temp. of deflection under load, 1.80 MPa	**82**	°C	ISO 75-1/-2
[C] Vicat softening temperature, B	**140**	°C	ISO 306

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
[C] Density	**1490**	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 100-110 °C for 2-3 h in an air circulating dryer 100-110 °C for 3-5 h dependant on moisture content
Processing Injection Moulding	melt temperature 180-220 °C mould temperature 60-100 °C
Storage	dry, protected from light

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