ALCOM WP POM 5020 TF 18029

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

Product Texts	
Base Polymer	Polyoxymethylene Copolymer
Filler/Additive System	20 % PTFE/Aramid
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	**3.5**	cm³/10min	ISO 1133
Temperature	**190**	°C	-
Load	**2.16**	kg	-

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
[C] Tensile Modulus	**2500**	MPa	ISO 527
[C] Stress at break	**42**	MPa	ISO 527
[C] Strain at break	**8**	%	ISO 527
[C] Charpy impact strength, +23°C	**31**	kJ/m²	ISO 179/1eU
[C] Charpy notched impact strength, +23°C	**3**	kJ/m²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
[C] Temp. of deflection under load, 1.80 MPa	**103**	°C	ISO 75-1/-2
[C] Vicat softening temperature, B	**148**	°C	ISO 306

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
[C] Density	**1450**	kg/m³	ISO 1183

[C]: CAMPUS

Characteristics

Processing	Regional Availability
Injection Molding	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 190-230 °C mould temperature 60-120 °C
Storage	dry, protected from light