

ALCOM POM 770/1 PTFE10

(POM+PTFE)

MOCOM Compounds GmbH & Co. KG

Product Texts

Base Polymer	Polyoxymethylene/general
Filler/Additive System	10 % PTFE
Special Features	heat stabilised,easy release (demoulding),improved sliding / wear
Market Segment	various
Application Area	various

Processing/Physical Characteristics

	Value	Unit	Test Standard
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ISO Data

^[C] Melt volume-flow rate, MVR	6.5	cm ³ /10min	ISO 1133
Temperature	190	°C	-
Load	2.16	kg	-

[C]: CAMPUS

Mechanical properties

	Value	Unit	Test Standard
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ISO Data

^[C] Tensile Modulus	2550	MPa	ISO 527
^[C] Yield stress	55	MPa	ISO 527
^[C] Yield strain	10	%	ISO 527
^[C] Charpy impact strength, +23°C	80	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	5	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Thermal properties

	Value	Unit	Test Standard
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ISO Data

^[C] Temp. of deflection under load, 1.80 MPa	90	°C	ISO 75-1/-2
^[C] Vicat softening temperature, B	145	°C	ISO 306

[C]: CAMPUS

Other properties

	Value	Unit	Test Standard
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^[C] Density	1440	kg/m ³	ISO 1183
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[C]: CAMPUS

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific, South and Central America, 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 60-120 °C
Storage	dry, protected from light not above 30°C