

**ALCOM POM 770/1 PTFE1,5**

(POM+PTFE)

MOCOM Compounds GmbH &amp; Co. KG

**Product Texts**

Base Polymer	Polyoxymethylene Copolymer
Filler/Additive System	1,5 % PTFE
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**

<sup>[C]</sup> Melt volume-flow rate, MVR	<b>3</b>	cm <sup>3</sup> /10min	ISO 1133
Temperature	<b>190</b>	°C	-
Load	<b>2.16</b>	kg	-

[C]: CAMPUS

**Mechanical properties****Value****Unit****Test Standard****ISO Data**

<sup>[C]</sup> Tensile Modulus	<b>2200</b>	MPa	ISO 527
<sup>[C]</sup> Charpy impact strength, +23°C	<b>249</b>	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Charpy notched impact strength, +23°C	<b>7</b>	kJ/m <sup>2</sup>	ISO 179/1eA

[C]: CAMPUS

**Thermal properties****Value****Unit****Test Standard****ISO Data**

<sup>[C]</sup> Temp. of deflection under load, 1.80 MPa	<b>92</b>	°C	ISO 75-1/-2
<sup>[C]</sup> Vicat softening temperature, B	<b>148</b>	°C	ISO 306

[C]: CAMPUS

**Other properties****Value****Unit****Test Standard**

<sup>[C]</sup> Density	<b>1400</b>	kg/m <sup>3</sup>	ISO 1183
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[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 not above 30°C