

ALCOM PBT 700/1 PTFE20

(PBT+PTFE)

MOCOM Compounds GmbH & Co. KG

Product Texts

Base Polymer	Polybutylene Terephthalate
Filler/Additive System	20 % PTFE
Special Features	improved sliding / wear, heat stabilised
Market Segment	Automotive, Machinery
Typical Applications	functional components

Processing/Physical Characteristics

	Value	Unit	Test Standard
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ISO Data

^[C] Melt volume-flow rate, MVR	36	cm ³ /10min	ISO 1133
Temperature	250	°C	-
Load	2.16	kg	-

[C]: CAMPUS

Mechanical properties

	Value	Unit	Test Standard
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ISO Data

^[C] Tensile Modulus	2400	MPa	ISO 527
^[C] Yield stress	44	MPa	ISO 527
^[C] Yield strain	3.3	%	ISO 527
^[C] Charpy impact strength, +23°C	32	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	3	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	69	°C	ISO 75-1/-2
^[C] Vicat softening temperature, B	183	°C	ISO 306

[C]: CAMPUS

Other properties

	Value	Unit	Test Standard
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^[C] Density	1430	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

Special Characteristics

Heat stabilized or stable to heat

Other text information**Injection molding**

Pre-Drying Conditions in a dry air (dessiccant) dryer 100-120 °C
 for 2-4 h
 in an air circulating dryer 100-120 °C
 for 4-8 h
 dependant on moisture content

Processing Injection Moulding melt temperature 250-270 °C
 mould temperature 60-100 °C

Storage dry, protected from light