

ALCOM PBT 700/12 PTFE10

(PBT+PTFE)

MOCOM Compounds GmbH & Co. KG

Product Texts

Base Polymer	Polybutylene Terephthalate
Filler/Additive System	10 % PTFE
Special Features	improved sliding / wear, heat stabilised, good flow
Market Segment	Automotive, Machinery
Typical Applications	functional components

Processing/Physical Characteristics

	Value	Unit	Test Standard
ISO Data			
^[C] Melt volume-flow rate, MVR	20	cm ³ /10min	ISO 1133
Temperature	250	°C	-
Load	2.16	kg	-

[C]: CAMPUS

Mechanical properties

	Value	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	2400	MPa	ISO 527
^[C] Yield stress	50	MPa	ISO 527
^[C] Yield strain	4.8	%	ISO 527
^[C] Charpy impact strength, +23°C	52	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
ISO Data			
^[C] Temp. of deflection under load, 1.80 MPa	60	°C	ISO 75-1/-2
^[C] Vicat softening temperature, B	182	°C	ISO 306

[C]: CAMPUS

Other properties

	Value	Unit	Test Standard
^[C] Density	1380	kg/m ³	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 100-120 °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
 not above 30°C