

ALCOM PC 740/2566 PTFE20

(PC+PTFE)

MOCOM Compounds GmbH & Co. KG

Product Texts

Base Polymer	Polycarbonate
Filler/Additive System	20 % PTFE
Special Features	improved sliding / wear
Market Segment	Automotive, Machinery
Application Area	various
Typical Applications	functional components

Processing/Physical Characteristics

	Value	Unit	Test Standard
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ISO Data

^[C] Melt volume-flow rate, MVR	8	cm ³ /10min	ISO 1133
Temperature	300	°C	-
Load	1.2	kg	-

[C]: CAMPUS

Mechanical properties

	Value	Unit	Test Standard
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ISO Data

^[C] Tensile Modulus	2100	MPa	ISO 527
^[C] Yield stress	50	MPa	ISO 527
^[C] Yield strain	5.3	%	ISO 527
^[C] Charpy impact strength, +23°C	N	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	27	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	133	°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	1310	kg/m ³	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 120 °C in a dry air (dessiccant) dryer
for 2-3 h
in an air circulating dryer 100-120 °C
for 4-12 h
dependant on moisture content

Processing Injection Moulding melt temperature 270-310 °C
mould temperature 80-110 °C

Storage dry, protected from light