

Product Texts

Base Polymer	Polybutylene Terephthalate
Filler/Additive System	special filler
Special Features	high stiffness,highly reflective,opaque
Market Segment	Automotive,various
Application Area	lighting,light blocking components
Typical Applications	light guides,reflectors

Processing/Physical Characteristics

	Value	Unit	Test Standard
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ISO Data

^[C] Melt volume-flow rate, MVR	25	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	2800	MPa	ISO 527
^[C] Yield stress	55	MPa	ISO 527
^[C] Yield strain	3.5	%	ISO 527
^[C] Charpy impact strength, +23°C	125	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	60	°C	ISO 75-1/-2
^[C] Vicat softening temperature, B	180	°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

Features

Light Blocking

Delivery form

White

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa

Special Characteristics

Light stabilized or stable to light

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
max. moisture content <0,02 %

Processing Injection Moulding

melt temperature 250-270 °C
mould temperature 80-120 °C

Storage

dry, protected from light