

Product Texts

Base Polymer	Polymethylmethacrylate
Filler/Additive System	UV stabilised
Special Features	translucent
Market Segment	Automotive,Lighting
Application Area	lighting,light transparent components,Black Panel-Technology
Typical Applications	lamp covers,display elements,operating elements

Processing/Physical Characteristics

	Value	Unit	Test Standard
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ISO Data

^[C] Melt volume-flow rate, MVR	5	cm ³ /10min	ISO 1133
Temperature	230	°C	-
Load	3.8	kg	-

[C]: CAMPUS

Mechanical properties

	Value	Unit	Test Standard
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ISO Data

^[C] Tensile Modulus	3300	MPa	ISO 527
^[C] Stress at break	70	MPa	ISO 527
^[C] Strain at break	4	%	ISO 527
^[C] Charpy impact strength, +23°C	21	kJ/m ²	ISO 179/1eU

[C]: CAMPUS

Thermal properties

	Value	Unit	Test Standard
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ISO Data

^[C] Temp. of deflection under load, 1.80 MPa	89	°C	ISO 75-1/-2
^[C] Vicat softening temperature, B	107	°C	ISO 306
^[C] Burning Behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.5	mm	-

[C]: CAMPUS

Other properties

	Value	Unit	Test Standard
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^[C] Density	1180	kg/m ³	ISO 1183
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[C]: CAMPUS

Characteristics**Processing**

Injection Molding

Applications

Automotive

Delivery form

Black

Regional Availability

North America, Europe, Asia Pacific, Near East/Africa

Special Characteristics

U.V. stabilized or stable to weather, Transparent, Translucent

Other text information**Injection molding**

Pre-Drying Conditions 80 °C in a dry air (dessiccant) dryer
 for 3-4 h
 80 °C in an air circulating dryer
 for 4-6 h
 max. moisture content <0,02 %

Processing Injection Moulding melt temperature 220-280 °C
 mould temperature 50-80 °C

Storage

dry, protected from light