

Product Texts

Base Polymer	Acrylonitrile/Butadiene/Styrene/Copolymer
Filler/Additive System	special filler
Special Features	highly reflective,opaque
Market Segment	Automotive,Lighting
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	5	cm ³ /10min	ISO 1133
Temperature	220	°C	-
Load	10	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	49	MPa	ISO 527
^[C] Yield strain	2.9	%	ISO 527
^[C] Charpy impact strength, +23°C	175	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	15	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	91	°C	ISO 75-1/-2
^[C] Vicat softening temperature, B	106	°C	ISO 306

[C]: CAMPUS

Other properties

	Value	Unit	Test Standard
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^[C] Density	1090	kg/m ³	ISO 1183
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[C]: CAMPUS

Characteristics**Processing**

Injection Molding

Features

Light Blocking, Copolymer

Delivery form

White

Regional Availability

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

Other text information**Injection molding**

Pre-Drying Conditions	80 °C in a dry air (dessiccant) dryer for 2-4 h 80 °C in an air circulating dryer for 4-8 h max. moisture content <0,02 %
Processing Injection Moulding	melt temperature 220-260 °C mould temperature 50-80 °C
Storage	dry, protected from light