

Product Texts

Base Polymer	Acrylonitrile/Butadiene/Styrene/Copolymer,modified with Polycarbonate
Filler/Additive System	15 % special filler
Special Features	highly reflective,opaque,UV stabilised,high heat stabilised
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	15	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	2700	MPa	ISO 527
^[C] Yield stress	50	MPa	ISO 527
^[C] Yield strain	3	%	ISO 527
^[C] Charpy impact strength, +23°C	80	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	13	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	100	°C	ISO 75-1/-2
^[C] Vicat softening temperature, B	110	°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	1210	kg/m ³	ISO 1183
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[C]: CAMPUS

Characteristics**Processing**

Injection Molding

Features

Light Blocking, Light Guiding, Light Reflecting, Copolymer

Delivery form

White

Applications

Automotive

Special Characteristics

U.V. stabilized or stable to weather, Heat stabilized or stable to heat, Opaque

Regional Availability

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

Other text information**Injection molding**

Pre-Drying Conditions

in a dry air (dessiccant) dryer 80-90 °C
for 2-4 h

in an air circulating dryer 80-90 °C
for 4-8 h

max. moisture content <0,02 %

Processing Injection Moulding melt temperature 230-270 °C

mould temperature 60-100 °C

Storage

dry, protected from light