

ALCOM PC+ABS 750/10 GF10 RD1016-05LB

(Last update: 17.05.2022)

MOCOM

Base Polymer	Polycarbonate +Acrylonitrile Butadiene Styrene Blend
Filler/Additive System	10 % glass fibres,special filler
Colour	red,similar to RAL 3013
Special Features	opaque
Market Segment	Automotive,Lighting
Application Area	light blocking components
Typical Applications	display elements,operating elements

Pre-Drying Conditions	in a dry air (dessiccant) dryer 100-110 °C for 2-4 h in an air circulating dryer 100-110 °C for 4-8 h max. moisture content <0,02 %
Processing Injection Moulding	melt temperature 250-280 °C mould temperature 70-100 °C
Storage	dry, protected from light

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	3600	MPa	ISO 178
Flexural Strength	100	MPa	ISO 178
Tensile Modulus	3900	MPa	ISO 527
Tensile Strength at Break	60	MPa	ISO 527
Tensile Elongation at Break	2.9	%	ISO 527
Impact Strength (Charpy, 23°C)	35	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	35	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	9	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	6.5	kJ/m ²	ISO 179/1eA
Ball Indentation Hardness H358/30	120	MPa	ISO 2039-1
Thermal Properties			
Vicat B50	128	°C	ISO 306
HDT / A (1,8 MPa)	121	°C	ISO 75-1/-2
Rheological Properties			
Melt Index (MVR)	16	cm ³ /10min	ISO 1133
MVR temperature	260	°C	-
MVR load	5	kg	-
Shrinkage (24h)	0.3 - 0.6	%	ISO 294-4

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Physical Properties

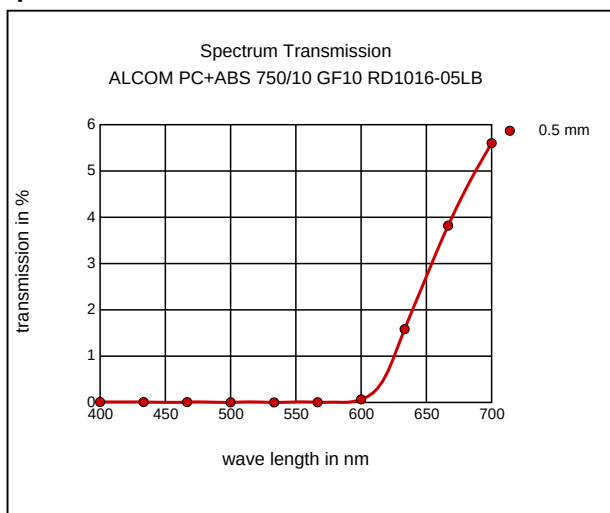
Density	1210	kg/m³	ISO 1183
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Optical Properties

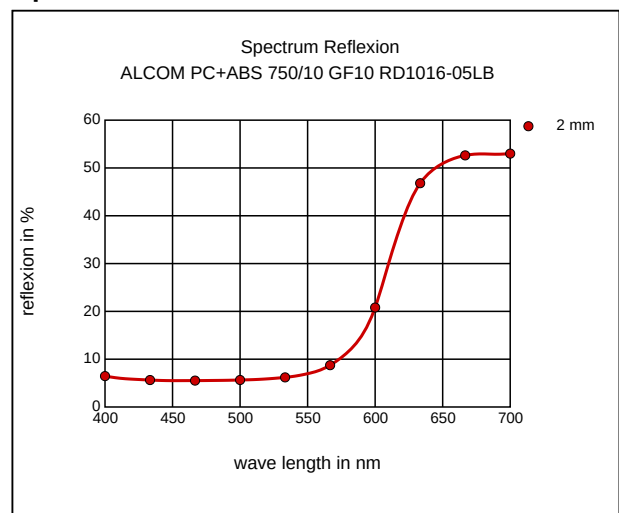
Tristimulus Value Y10 of Transm., d=0.5mm	0.2	%	ISO 13468
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Diagrams

Spectrum Transmission



Spectrum Reflexion



Liability Exclusion

These are guide values and not a specification. The test values mentioned are representative values only and not binding minimum or maximum figures. These test values have been determined on standardised test specimens and can be affected by pigmentation, mould design and processing conditions.

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- any bodily implant application for greater than 30 days
- any critical component in any medical device that supports or sustains human life.



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