ALCOM AWL 109/10 GF20 WT1142-12LB

(ABS+PC)-(GF+MD)20 MOCOM Compounds GmbH & Co. KG

Product Texts	
Base Polymer	Acrylonitrile/Butadiene/Styrene/Copolymer,modified with Polycarbonate
Filler/Additive System	special filler,20 % glass fibres
Special Features	highly reflective,opaque,high heat stabilised,high stiffness
Market Segment	Automotive,Lighting
Application Area	lighting,light blocking components
Typical Applications	light guides,reflectors

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
[C] Melt volume-flow rate, MVR	**8**	cm³/10min	ISO 1133
Temperature	**240**	°C	-
Load	**5**	kg	-

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
[C] Tensile Modulus	**6800**	MPa	ISO 527
[C] Stress at break	**65**	MPa	ISO 527
[C] Strain at break	**1**	%	ISO 527
[C] Charpy impact strength, +23°C	**17**	kJ/m²	ISO 179/1eU
[C] Charpy notched impact strength, +23°C	**5.5**	kJ/m²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
[C] Temp. of deflection under load, 1.80 MPa	**110**	°C	ISO 75-1/-2
[C] Vicat softening temperature, B	**112**	°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
[C] Density	**1360**	kg/m³	ISO 1183

[C]: CAMPUS

Characteristics

Processing
Injection Molding

Features
Light Blocking, Light Guiding, Light Reflecting, Copolymer

Delivery form
White

Applications
Automotive

Special Characteristics
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 240-270 °C mould temperature 60-100 °C

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Storage	dry, protected from light

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