

ALCOM® AWL 10 WT1308-05LB

Acrylonitrile Butadiene Styrene

ALBIS PLASTIC GmbH

Message:

ALCOM® AWL 10 WT1308-05LB is an Acrylonitrile Butadiene Styrene (ABS) product filled with 10% filler. It can be processed by injection molding and is available in Asia Pacific, Europe, or North America. Applications of ALCOM® AWL 10 WT1308-05LB include automotive and lighting applications.

Characteristics include:

REACH Compliant

RoHS Compliant

General Information			
Filler / Reinforcement	Filler, 10% Filler by Weight		
Features	High Reflectivity		
Uses	Automotive Applications Lighting Applications		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Appearance	Opaque		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.11	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	4.00	cm ³ /10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	115	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2800	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	50.0	MPa	
Break	40.0	MPa	
Tensile Strain			ISO 527-2
Yield	2.8	%	
Break	10	%	
Flexural Modulus	2600	MPa	ISO 178
Flexural Stress	75.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	10	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	80	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	88.0	°C	ISO 75-2/A

Vicat Softening Temperature	110	°C	ISO 306/B50
Flammability	Nominal Value	Unit	Test Method
Glow Wire Flammability Index			IEC 60695-2-12
	750		
1.00 mm	650	°C	
2.00 mm	650	°C	
Additional Information	Nominal Value	Unit	Test Method
Tristimulus Value			
Y10 of Reflection	85	%	DIN 5033
Y10 of Transmittance : 500.0 μm	0.20	%	ISO 13468
Injection	Nominal Value	Unit	
Drying Temperature			
Circulation Dryer	80.0	°C	
Desiccant Dryer	80.0	°C	
Drying Time			
Circulation Dryer	3.0 to 6.0	hr	
Desiccant Dryer	2.0 to 4.0	hr	
Processing (Melt) Temp	220 to 260	°C	
Mold Temperature	50.0 to 80.0	°C	

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