

ALCOM® AWL 15/1 UV WT1471-04LB

Acrylonitrile Butadiene Styrene

ALBIS PLASTIC GmbH

Message:

ALCOM® AWL 15/1 UV WT1471-04LB is an Acrylonitrile Butadiene Styrene (ABS) product filled with 15% filler. It can be processed by injection molding and is available in Asia Pacific, Europe, or North America. Applications of ALCOM® AWL 15/1 UV WT1471-04LB include automotive, lighting applications and reflectors.

Characteristics include:

- Flame Rated
- REACH Compliant
- RoHS Compliant
- UV Stabilized

General Information			
Filler / Reinforcement	Filler,15% Filler by Weight		
Additive	UV Stabilizer		
Features	High Reflectivity		
Uses	Automotive Applications		
	Lighting Applications		
	Reflectors		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Appearance	Opaque		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.17	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	7.00	cm³/10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	110	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2600	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	50.0	MPa	
Break	35.0	MPa	
Tensile Strain			ISO 527-2
Yield	2.8	%	
Break	12	%	
Flexural Modulus	2600	MPa	ISO 178
Flexural Stress	80.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	9.0	kJ/m²	ISO 179/1eA

Charpy Unnotched Impact Strength	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	93.0	°C	ISO 75-2/A
Vicat Softening Temperature	110	°C	ISO 306/B50
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.50 mm	HB		
3.00 mm	HB		
Additional Information	Nominal Value	Unit	Test Method
Tristimulus Value			
Y10 of Reflection	94	%	DIN 5033
Y10 of Transmittance : 500.0 μm	0.50	%	ISO 13468
Injection	Nominal Value	Unit	
Drying Temperature	70.0 to 80.0	°C	
Drying Time	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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