

ALCOM® AWL 10/3 WT1308-05LB

Acrylonitrile Butadiene Styrene

ALBIS PLASTIC GmbH

Message:

ALCOM® AWL 10/3 WT1308-05LB is an Acrylonitrile Butadiene Styrene (ABS) product. It can be processed by injection molding and is available in Asia Pacific, Europe, or North America. Applications of ALCOM® AWL 10/3 WT1308-05LB include automotive, lighting applications and reflectors. Characteristics include:

- Flame Rated
- REACH Compliant
- RoHS Compliant
- Heat Stabilizer
- High Flow

General Information			
Additive	Heat Stabilizer		
Features	Heat Stabilized		
	High Flow		
	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	1.13	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	30.0	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	2400	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	40.0	MPa	
--	35.0	MPa	
Tensile Strain			ISO 527-2
Yield	2.0	%	
Break	5.0	%	
Flexural Modulus	2500	MPa	ISO 178
Flexural Stress			ISO 178

3.5% Strain	60.0	MPa	
--	60.0	MPa	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
--	10	kJ/m ²	
-40°C	4.0	kJ/m ²	
-20°C	5.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-40°C	50	kJ/m ²	
-20°C	55	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	80.0	°C	ISO 75-2/A
Vicat Softening Temperature	95.0	°C	ISO 306/B50
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.750 mm	HB		
1.50 mm	HB		
3.00 mm	HB		
Glow Wire Flammability Index			IEC 60695-2-12
1.00 mm	650	°C	
2.00 mm	650	°C	
3.00 mm	650	°C	
Additional Information	Nominal Value	Unit	Test Method
Tristimulus Value			
Y10 of Reflection	84	%	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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