

ALCOM® PC + AWL 750/20.1 WT1407-04LB

Polycarbonate + ABS

ALBIS PLASTIC GmbH

Message:

ALCOM® PC + AWL 750/20.1 WT1407-04LB is a Polycarbonate + ABS (PC+ABS) product filled with 20% filler. It is available in Asia Pacific, Europe, or North America. Applications of ALCOM® PC + AWL 750/20.1 WT1407-04LB include automotive, electrical/electronic applications, lighting applications and reflectors.

Characteristics include:

REACH Compliant

RoHS Compliant

General Information			
Filler / Reinforcement	Filler,20% Filler by Weight		
Features	High Reflectivity		
Uses	Automotive Applications		
	Electrical/Electronic Applications		
	Lighting Applications		
	Reflectors		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Appearance	Opaque		
Physical	Nominal Value	Unit	Test Method
Density	1.31	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (260°C/5.0 kg)	20.0	cm ³ /10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	118	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2800	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	53.0	MPa	
Break	50.0	MPa	
Tensile Strain			ISO 527-2
Yield	4.0	%	
Break	10	%	
Flexural Modulus	2800	MPa	ISO 178
Flexural Stress	80.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	5.0	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)	110	°C	ISO 75-2/A
Vicat Softening Temperature	120	°C	ISO 306/B50
Additional Information	Nominal Value	Unit	Test Method
Tristimulus Value			
Y10 of Reflection	91	%	DIN 5033
Y10 of Transmittance : 500.0 μm	0.10	%	ISO 13468
Injection	Nominal Value	Unit	
Drying Temperature			
Circulation Dryer	100 to 110	°C	
Desiccant Dryer	100 to 110	°C	
Drying Time			
Circulation Dryer	4.0 to 8.0	hr	
Desiccant Dryer	2.0 to 4.0	hr	
Processing (Melt) Temp	220 to 280	°C	
Mold Temperature	70.0 to 100	°C	

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