

ALCOM® PWL 10/1 WT41-913LB

Polycarbonate
ALBIS PLASTIC GmbH

Message:

ALCOM® PWL 10/1 WT41-913LB is a Polycarbonate (PC) product filled with 10% filler. It is available in Asia Pacific, Europe, or North America. Applications of ALCOM® PWL 10/1 WT41-913LB include automotive and lighting applications.

Characteristics include:

- Flame Rated
- REACH Compliant
- RoHS Compliant
- Impact Modified

General Information			
Filler / Reinforcement	Filler, 10% Filler by Weight		
Additive	Impact Modifier		
Features	High Reflectivity		
	Impact Modified		
Uses	Automotive Applications		
	Lighting Applications		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Appearance	Opaque		
Physical	Nominal Value	Unit	Test Method
Density	1.30	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (300°C/1.2 kg)	8.00	cm ³ /10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	129	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2600	MPa	ISO 527-2
Tensile Stress (Break)	48.0	MPa	ISO 527-2
Tensile Strain (Break)	68	%	ISO 527-2
Flexural Modulus	2600	MPa	ISO 178
Flexural Stress	91.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	38	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	142	°C	ISO 306/B50
Flammability	Nominal Value		Test Method

Flame Rating (0.750 mm)	HB		UL 94
Additional Information	Nominal Value	Unit	Test Method
Tristimulus Value			
Y10 of Reflection	97	%	DIN 5033
Y10 of Transmittance : 500.0 μm	1.5	%	ISO 13468
Y10 of Transmittance : 1.00 mm	0.40	%	ISO 13468
Injection	Nominal Value	Unit	
Drying Temperature			
Circulation Dryer	100 to 120	°C	
Desiccant Dryer	100 to 120	°C	
Drying Time			
Circulation Dryer	4.0 to 12	hr	
Desiccant Dryer	2.0 to 3.0	hr	
Suggested Max Moisture	0.020	%	
Processing (Melt) Temp	280 to 320	°C	
Mold Temperature	80.0 to 100	°C	

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