

ALCOM® PWL 10/1 WT1130-09LB

Polycarbonate
ALBIS PLASTIC GmbH

Message:

ALCOM®PWL 10/1 WT1130-09LB is a polycarbonate (PC) product that contains fillers. It can be processed by injection molding and is available in North America, Europe or the Asia-Pacific region. ALCOM®The application fields of PWL 10/1 WT1130-09LB include reflector, automobile industry and lighting equipment.

Features include:

- flame retardant/rated flame
- Comply with REACH standard
- ROHS certification
- Impact modification

General Information			
Filler / Reinforcement	Filler		
Additive	Impact modifier		
Features	Impact modification		
	High reflectivity		
Uses	Lighting Applications		
	Reflector		
	Application in Automobile Field		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Appearance	Opacity		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.32	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)	124	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2500	MPa	ISO 527-2
Tensile Stress (Break)	49.0	MPa	ISO 527-2
Tensile Strain (Break)	60	%	ISO 527-2
Flexural Modulus	2500	MPa	ISO 178
Flexural Stress	90.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	45	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 (0.75 mm)	HB		UL 94
Additional Information	Nominal Value	Unit	Test Method
Tristimulus Value			
Y10 of Reflection	80	%	DIN 5033
Y10 of Transmission : 500.0 μm	0.10	%	ISO 13468
Injection	Nominal Value	Unit	
Drying Temperature			
Dehumidification desiccant	100 - 120	°C	
Hot air dryer	100 - 120	°C	
Drying Time			
Dehumidification desiccant	4.0 - 12	hr	
Hot air dryer	2.0 - 3.0	hr	
Suggested Max Moisture	0.020	%	
Processing (Melt) Temp	280 - 320	°C	
Mold Temperature	80 - 100	°C	

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