

ALCOM® PWL 10/1.1 AS UV WT1127-11LB

Polycarbonate
ALBIS PLASTIC GmbH

Message:

ALCOM® PWL 10/1.1 AS UV WT1127-11LB is a Polycarbonate (PC) product filled with 10% filler. It is available in Asia Pacific, Europe, or North America. Applications of ALCOM® PWL 10/1.1 AS UV WT1127-11LB include automotive, lighting applications and reflectors. Characteristics include:
REACH Compliant
RoHS Compliant
Antistatic
UV Stabilized

General Information			
Filler / Reinforcement	Filler, 10% Filler by Weight		
Additive	Antistatic		
	UV Stabilizer		
Features	High Reflectivity		
Uses	Automotive Applications		
	Lighting Applications		
	Reflectors		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Appearance	Opaque		
Physical	Nominal Value	Unit	Test Method
Density	1.36	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (300°C/1.2 kg)	22.0	cm ³ /10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	123	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2690	MPa	ISO 527-2
Tensile Stress	62.0	MPa	ISO 527-2
Tensile Strain (Break)	50	%	ISO 527-2
Flexural Modulus	2780	MPa	ISO 178
Flexural Stress	95.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	20	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	138	°C	ISO 306/B50

Additional Information	Nominal Value	Unit	Test Method
Tristimulus Value			
Y10 of Reflection	89	%	DIN 5033
Y10 of Transmittance : 500.0 μm	0.30	%	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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