

ALCOM® PC 740/40 FR UV WT1182-10LB

Polycarbonate
ALBIS PLASTIC GmbH

Message:

ALCOM®PC 740/40 FR UV WT1182-10LB 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 PC 740/40 FR UV WT1182-10LB include electrical/electronic applications, electrical appliances, mirrors, housing and automobile industries.

- Features include:
- flame retardant/rated flame
 - Comply with REACH standard
 - ROHS certification
 - Flame Retardant
 - Halogen-free

General Information			
Filler / Reinforcement	Filler		
Additive	UV stabilizer		
	Flame retardancy		
Features	Chlorine Free		
	High reflectivity		
	Bromine-free		
	Flame retardancy		
Uses	Lighting Applications		
	Electrical/Electronic Applications		
	Electrical appliances		
	Reflector		
	Application in Automobile Field		
	Shell		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Appearance	Opacity		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.33	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (300°C/1.2 kg)	10.0	cm³/10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	125	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2830	MPa	ISO 527-2

Tensile Stress			ISO 527-2
Yield	60.0	MPa	ISO 527-2
Fracture	50.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	5.5	%	ISO 527-2
Fracture	46	%	ISO 527-2
Flexural Modulus	2730	MPa	ISO 178
Flexural Stress	100	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	10	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	125	°C	ISO 75-2/A
Vicat Softening Temperature	140	°C	ISO 306/B50
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.5 mm	V-0		UL 94
3.0 mm	V-0		UL 94
Additional Information	Nominal Value	Unit	Test Method
Tristimulus Value			
Y10 of Reflection	92	%	DIN 5033
Y10 of Transmission : 500.0 μm	0.30	%	ISO 13468
Injection	Nominal Value	Unit	
Drying Temperature - Desiccant Dryer	100 - 120	°C	
Drying Time - Desiccant Dryer	2.0 - 3.0	hr	
Suggested Max Moisture	0.020	%	
Processing (Melt) Temp	280 - 320	°C	
Mold Temperature	80 - 110	°C	

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