

ALCOM® PC 740/4.2 UV WT1100-08LD2

Polycarbonate
ALBIS PLASTIC GmbH

Message:

ALCOM® PC 740/4.2 UV WT1100-08LD2 is a Polycarbonate (PC) product filled with filler. It can be processed by injection molding and is available in Asia Pacific, Europe, or North America. Applications of ALCOM® PC 740/4.2 UV WT1100-08LD2 include automotive and lighting applications. Characteristics include:

- Flame Rated
- REACH Compliant
- RoHS Compliant
- High Flow
- Light Diffusion

General Information			
Filler / Reinforcement	Filler		
Additive	UV Stabilizer		
Features	High Flow		
	High Light Diffusion		
	Light Stabilized		
Uses	Automotive Applications		
	Lighting Applications		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Appearance	Translucent		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.19	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (300°C/1.2 kg)	20.0	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2450	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	66.0	MPa	
--	66.0	MPa	
Tensile Strain			ISO 527-2
Yield	6.0	%	
Break	70	%	
Flexural Modulus	2400	MPa	ISO 178
Flexural Stress			ISO 178
--	100	MPa	
3.5% Strain	76.0	MPa	

Flexural Deflection at Max Force	7.0	%	ISO 178
Fire Performance (1.00 mm)	passed		FMVSS 302
Half Power Angle ¹ (1.00 mm)	57.0		
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
--	12	kJ/m ²	
-40°C	12	kJ/m ²	
-20°C	12	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
--	No Break		
-40°C	No Break		
-20°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	124	°C	ISO 75-2/A
Vicat Softening Temperature	142	°C	ISO 306/B50
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.50 mm	HB		
0.750 mm	V-2		
Glow Wire Flammability Index			IEC 60695-2-12
1.00 mm	850	°C	
2.00 mm	850	°C	
	960		
3.00 mm	850	°C	
	960		
4.00 mm	850	°C	
Optical	Nominal Value	Unit	Test Method
Transmittance ² (Total, 1000 µm)	13.0	%	ISO 13468
Haze ³ (1000 µm)	96	%	ISO 13468
Injection	Nominal Value	Unit	
Drying Temperature - Desiccant Dryer	100 to 120	°C	
Drying Time - 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	
NOTE			
1.	A, 2°		

2.	A, 2°
3.	III. A, 2°

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
 Phone: +86 13424755533
 Email: sales@su-jiao.com
 No. 215, Lianhe North Road, Fengxian District, Shanghai, China

