

ALCOM® PC 740/4.5 FR UV CC1320-08LG

Polycarbonate
ALBIS PLASTIC GmbH

Message:

ALCOM® PC 740/4.5 FR UV CC1320-08LG is a Polycarbonate (PC) product filled with filler. It is available in Asia Pacific, Europe, or North America. Applications of ALCOM® PC 740/4.5 FR UV CC1320-08LG include automotive and lighting applications. Characteristics include:

- Flame Rated
- REACH Compliant
- RoHS Compliant
- Flame Retardant
- Halogen Free

General Information			
Filler / Reinforcement	Filler		
Additive	Flame Retardant UV Stabilizer		
Features	Flame Retardant Halogen Free High Flow		
Uses	Automotive Applications Lighting Applications		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Physical	Nominal Value	Unit	Test Method
Density	1.19	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (300°C/1.2 kg)	20.0	cm³/10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2500	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	64.0	MPa	
--	64.0	MPa	
Tensile Strain			ISO 527-2
Yield	6.0	%	
Break	85	%	
Flexural Modulus	2400	MPa	ISO 178
Flexural Stress			ISO 178
--	97.0	MPa	
3.5% Strain	74.0	MPa	

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
--	10	kJ/m ²	
-40°C	10	kJ/m ²	
-20°C	11	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)	128	°C	ISO 75-2/A
Vicat Softening Temperature	143	°C	ISO 306/B50
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	V-2		UL 94
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 ¹ (Total, 1000 µm)	87.0	%	ISO 13468
Haze ² (1000 µm)	82	%	ISO 13468
Additional Information	Nominal Value	Unit	
Half Power Angle - T(Y) ³ (1.00 mm)	3.00	°	
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	270 to 310	°C	
Mold Temperature	80.0 to 100	°C	
NOTE			

1.	A, 2°
2.	III. A, 2°
3.	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

