

ALCOM® PC 740/4 UV CC1320-08LG

Polycarbonate
ALBIS PLASTIC GmbH

Message:

ALCOM® PC 740/4 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 UV CC1320-08LG include automotive and lighting applications.

Characteristics include:

- Flame Rated
- REACH Compliant
- RoHS Compliant
- Antioxidant
- High Flow

General Information			
Filler / Reinforcement	Filler		
Additive	Antioxidant		
	UV Stabilizer		
Features	Antioxidant		
	High Flow		
Uses	Automotive Applications		
	Lighting Applications		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Physical	Nominal Value	Unit	Test Method
Density	1.20	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	2400	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	2450	MPa	ISO 178
Flexural Stress			ISO 178
--	100	MPa	
3.5% Strain	76.0	MPa	
Flexural Strain at Flexural Strength	7.0	%	ISO 178

Fire Performance (1.00 mm)	passed		FMVSS
Half Power Angle - T(Y) ¹			
2.00 mm	8.00	°	
3.00 mm	10.0	°	
4.00 mm	11.0	°	
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 (1.50 mm)	HB		UL 94
Glow Wire Flammability Index			IEC 60695-2-12
1.00 mm	850	°C	
2.00 mm	850	°C	
3.00 mm	850	°C	
4.00 mm	850	°C	
Optical	Nominal Value	Unit	Test Method
Transmittance ²			ISO 13468
Total, 2000 µm	88.7	%	
Total, 3000 µm	88.5	%	
Total, 4000 µm	88.0	%	
Haze			ISO 13468
2000 µm ³	92	%	
3000 µm ⁴	92	%	
4000 µm ⁵	93	%	
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.	A, 2°
3.	A, 2°
4.	A, 2°
5.	III. A, 2°

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