

ALCOM® PC 740/4 GN1053-13LC

Polycarbonate
ALBIS PLASTIC GmbH

Message:

ALCOM®PC 740/4 GN1053-13LC is a polycarbonate (PC) product. 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 740/4 GN1053-13LC include automobile industry and lighting equipment.

Features include:

- flame retardant/rated flame
- Comply with REACH standard
- ROHS certification
- Stable

General Information			
Additive	Processing stabilizer		
Features	Good liquidity		
Uses	Lighting Applications		
	Application in Automobile Field		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.19	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (300°C/1.2 kg)	17.0	cm³/10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2400	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	66.0	MPa	ISO 527-2
--	66.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	6.0	%	ISO 527-2
Fracture	70	%	ISO 527-2
Flexural Modulus	2450	MPa	ISO 178
Flexural Stress			ISO 178
3.5% strain	76.0	MPa	ISO 178
--	100	MPa	ISO 178
Flexural Deflection at Max Force	7.0	%	ISO 178
Fire Behavior, FMVSS (1.00 mm)	passed		ISO 37
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
--	12	kJ/m²	ISO 179/1eA

-40°C	12	kJ/m ²	ISO 179/1eA
-20°C	12	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
--	No Break		ISO 179/1eU
-40°C	No Break		ISO 179/1eU
-20°C	No Break		ISO 179/1eU
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
1.5 mm	HB		UL 94
0.75 mm	V-2		UL 94
Glow Wire Flammability Index			IEC 60695-2-12
1.0 mm	850	°C	IEC 60695-2-12
2.0 mm	850	°C	IEC 60695-2-12
	850		
3.0 mm	960	°C	IEC 60695-2-12
	850		
4.0 mm	960	°C	IEC 60695-2-12
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	270 - 310	°C	
Mold Temperature	80 - 110	°C	

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



WECHAT