

ALCOM® PC 740/171 GY1127-05LD

Polycarbonate
ALBIS PLASTIC GmbH

Message:

ALCOM® PC 740/171 GY1127-05LD is a Polycarbonate (PC) product filled with filler. It is available in Asia Pacific, Europe, or North America. Applications of ALCOM® PC 740/171 GY1127-05LD include automotive and lighting applications.

Characteristics include:

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

General Information			
Filler / Reinforcement	Filler		
Features	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)	25.0	cm³/10min	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 Strain at Flexural Strength	7.0	%	ISO 178
Fire Performance (1.00 mm)	passed		FMVSS
Half Power Angle - T(Y) ¹ (1.00 mm)	50.0	°	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
--	10	kJ/m²	

-40°C	10	kJ/m ²	
-20°C	10	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)	19.5	%	ISO 13468
Haze ³ (1000 μm)	95	%	ISO 13468
Injection	Nominal Value	Unit	
Drying Temperature	100 to 120	°C	
Drying Time	4.0 to 12	hr	
Suggested Max Moisture	0.020	%	
Processing (Melt) Temp	270 to 310	°C	
Mold Temperature	80.0 to 110	°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.

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

