

ALCOM® PC 740/4.19 WT1302-05LB

Polycarbonate
ALBIS PLASTIC GmbH

Message:

ALCOM®PC 740/4.19 WT1302-05LB is a polycarbonate (PC) product that contains fillers. 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 740/4.19 WT1302-05LB include reflector, automobile industry and lighting equipment.
Features include:
Comply with REACH standard
ROHS certification
high liquidity

General Information			
Filler / Reinforcement	Filler		
Features	High reflectivity		
	High liquidity		
Uses	Lighting Applications		
	Reflector		
	Application in Automobile Field		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Appearance	Opacity		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.33	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (300°C/1.2 kg)	36.0	cm³/10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	130	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2700	MPa	ISO 527-2
Tensile Stress	59.0	MPa	ISO 527-2
Flexural Modulus	2840	MPa	ISO 178
Flexural Stress	96.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	18	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	134	°C	ISO 75-2/B

1.8 MPa, not annealed	122	°C	ISO 75-2/A
Vicat Softening Temperature	138	°C	ISO 306/B50
Flammability	Nominal Value	Unit	Test Method
Glow Wire Flammability Index			IEC 60695-2-12
2.0 mm	850	°C	IEC 60695-2-12
3.0 mm	850	°C	IEC 60695-2-12
Additional Information	Nominal Value	Unit	Test Method
Tristimulus Value			
Y10 of Reflection	92	%	DIN 5033
Y10 of Transmission : 500.0 μm	0.40	%	ISO 13468
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	310 - 330	°C	
Mold Temperature	80 - 130	°C	

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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

