

ALCOM® PC 740/4 UV WT1445-06LD

Polycarbonate
ALBIS PLASTIC GmbH

Message:

ALCOM® PC 740/4 UV WT1445-06LD 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 WT1445-06LD include automotive and lighting applications.

Characteristics include:

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

General Information			
Filler / Reinforcement	Filler		
Additive	UV Stabilizer		
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	1.20	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 (Yield)	66.0	MPa	ISO 527-2
Tensile Strain (Yield)	6.0	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	11	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength	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		Test Method
Flame Rating			UL 94
1.50 mm	HB		
0.750 mm	V-2		
Fire Performance (1.00 mm)	passed		FMVSS
Half Power Angle - T(Y) ¹ (1.00 mm)	5.00	°	

Optical	Nominal Value	Unit	Test Method
Transmittance ² (Total, 1000 μm)	69.0	%	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°	

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