

ALCOM® PC 740/25 UV WT1445-06LD

Polycarbonate
ALBIS PLASTIC GmbH

Message:

ALCOM® PC 740/25 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 740/25 UV WT1445-06LD include automotive and lighting applications. Characteristics include:
REACH Compliant
RoHS Compliant
Heat Stabilizer
High Flow
UV Stabilized

General Information			
Filler / Reinforcement	Filler		
Additive	Heat Stabilizer		
	UV Stabilizer		
Features	Heat Stabilized		
	High Flow		
	High Light Transmission		
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) (330°C/2.16 kg)	60.0	cm³/10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2500	MPa	ISO 527-2
Tensile Stress (Yield)	67.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	5.5	%	
Break	66	%	
Flexural Modulus	2450	MPa	ISO 178
Flexural Stress			ISO 178
--	100	MPa	
3.5% Strain	75.0	MPa	
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)	132	°C	ISO 75-2/A
Vicat Softening Temperature	150	°C	ISO 306/B50
Optical	Nominal Value	Unit	Test Method
Transmittance ¹ (Total, 1000 μm)	58.0	%	ISO 13468
Haze ² (1000 μm)	95	%	ISO 13468
Additional Information	Nominal Value	Unit	
Half Power Angle - T(Y) ³ (1.00 mm)	52.0	°	
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	290 to 330	°C	
Mold Temperature	90.0 to 110	°C	
NOTE			
1.	A, 2°		
2.	III. A, 2°		
3.	A, 2°		

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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



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