

# ALCOM® PC 740/4 UV WT1102-04LD

Polycarbonate

ALBIS PLASTIC GmbH

## Message:

ALCOM® PC 740/4 UV WT1102-04LD 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 WT1102-04LD 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	1.19	g/cm <sup>3</sup>	ISO 1183
Melt Volume-Flow Rate (MVR) (300°C/1.2 kg)	25.0	cm <sup>3</sup> /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) <sup>1</sup> (1.00 mm)	1.00	°	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA

--	12	kJ/m <sup>2</sup>
-40°C	12	kJ/m <sup>2</sup>
-20°C	12	kJ/m <sup>2</sup>

Charpy Unnotched Impact Strength ISO 179/1eU

--	No Break
-40°C	No Break
-20°C	No Break

Thermal	Nominal Value	Unit	Test Method
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Heat Deflection Temperature (1.8 MPa, Unannealed) ISO 75-2/A

Vicat Softening Temperature ISO 306/B50

Flammability	Nominal Value	Unit	Test Method
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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
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Transmittance <sup>2</sup> (Total, 1000 μm) 86.5 % ISO 13468

Haze <sup>3</sup> (1000 μm) 75 % ISO 13468

Injection	Nominal Value	Unit
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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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