

# ALCOM® LD2 PC 1000 14008 WT1010-14

Polycarbonate

ALBIS PLASTIC GmbH

## Message:

ALCOM® LD2 PC 1000 14008 WT1010-14 is a Polycarbonate (PC) product filled with filler. It is available in Asia Pacific, Europe, or North America.

Applications of ALCOM® LD2 PC 1000 14008 WT1010-14 include automotive and lighting applications.

Characteristics include:

Flame Rated

REACH Compliant

RoHS Compliant

High Flow

Light Diffusion

General Information			
Filler / Reinforcement	Filler		
Features	High Flow High Light Diffusion		
Uses	Automotive Applications Lighting Applications		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Appearance	Translucent		
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)	20.0	cm <sup>3</sup> /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2400	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	2450	MPa	ISO 178
Flexural Stress			ISO 178
--	100	MPa	
3.5% Strain	76.0	MPa	
Flexural Deflection at Max Force	7.0	%	ISO 178
Fire Performance (1.00 mm)	passed		FMVSS 302
Half Power Angle <sup>1</sup> (1.00 mm)	57.0		

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
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 <sup>2</sup> (Total, 1000 µm)	25.0	%	ISO 13468
Haze <sup>3</sup> (1000 µm)	95	%	ISO 13468
Injection	Nominal Value	Unit	
Drying Temperature - Desiccant Dryer	100 to 120	°C	
Drying Time - Desiccant Dryer	2.0 to 3.0	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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#### Recommended distributors for this material

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