

ALCOM® HTC 300/1 WT1056-10LD

Copolyester
ALBIS PLASTIC GmbH

Message:

ALCOM® HTC 300/1 WT1056-10LD is a Copolyester product filled with filler. It is available in Asia Pacific, Europe, or North America. Applications of ALCOM® HTC 300/1 WT1056-10LD include automotive and lighting applications.

Characteristics include:

- Flame Rated
- REACH Compliant
- RoHS Compliant

General Information			
Filler / Reinforcement	Filler		
Uses	Automotive Applications		
	Lighting Applications		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Physical	Nominal Value	Unit	Test Method
Density	1.00	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (280°C/2.16 kg)	20.0	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1600	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	45.0	MPa	
--	45.0	MPa	
Tensile Strain			ISO 527-2
Yield	6.0	%	
Break	110	%	
Flexural Modulus	1700	MPa	ISO 178
Flexural Stress			ISO 178
--	70.0	MPa	
3.5% Strain	55.0	MPa	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
--	85	kJ/m ²	
-40°C	10	kJ/m ²	
-20°C	15	kJ/m ²	
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)	90.0	°C	ISO 75-2/A
Vicat Softening Temperature	105	°C	ISO 306/B50
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.750 mm	HB		
1.50 mm	HB		
Glow Wire Flammability Index			IEC 60695-2-12
1.00 mm	650	°C	
2.00 mm	650	°C	
3.00 mm	650	°C	
Optical	Nominal Value	Unit	Test Method
Transmittance ¹ (Total, 1000 µm)	56.8	%	ISO 13468
Haze ² (1000 µm)	95	%	ISO 13468
Additional Information	Nominal Value	Unit	
Half Power Angle - T(Y) ³			
1.00 mm	51.0	°	
4.00 mm	65.0	°	
Injection	Nominal Value	Unit	
Drying Temperature	85.0 to 90.0	°C	
Drying Time	4.0 to 5.0	hr	
Suggested Max Moisture	0.030	%	
Processing (Melt) Temp	270 to 290	°C	
Mold Temperature	60.0 to 65.0	°C	
NOTE			
1.	A, 2°		
2.	III. A, 2°		
3.	A, 2°		

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