

Technical Information



ALTUGLAS™ VM White

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.18 g/cm ³	1.18 g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	14 g/10 min	14 g/10 min	ISO 1133
Molding Shrinkage - Flow	2.0E-3 to 6.0E-3 in/in	0.20 to 0.60 %	ASTM D955
Water Absorption			ISO 62
Equilibrium, 73°F (23°C), 50% RH	0.30 %	0.30 %	
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Stress (Break, 73°F (23°C))	10000 psi	69.0 MPa	ISO 527-2/5
Tensile Strain (Break, 73°F (23°C))	5.0 %	5.0 %	ISO 527-2/5
Flexural Modulus (73°F (23°C))	450000 psi	3100 MPa	ISO 178
Flexural Stress (73°F (23°C))	14100 psi	97.0 MPa	ISO 178
Compressive Stress (73°F (23°C))	14100 psi	97.0 MPa	ISO 604
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Notched Impact Strength (73°F (23°C))	0.95 ft-lb/in ²	2.0 kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
73°F (23°C)	9.5 ft-lb/in ²	20 kJ/m ²	
Notched Izod Impact Strength (73°F (23°C))	0.86 ft-lb/in ²	1.8 kJ/m ²	ISO 180/1A
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Rockwell Hardness (M-Scale)	89	89	ASTM D785
Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flame Rating	HB	HB	UL 94
Injection	Nominal Value (English)	Nominal Value (SI)	
Drying Temperature	176 °F	80 °C	
Drying Time	4.0 to 6.0 hr	4.0 to 6.0 hr	
Rear Temperature	374 to 410 °F	190 to 210 °C	
Middle Temperature	392 to 428 °F	200 to 220 °C	
Front Temperature	428 to 464 °F	220 to 240 °C	
Nozzle Temperature	428 to 464 °F	220 to 240 °C	
Processing (Melt) Temp	428 to 464 °F	220 to 240 °C	
Mold Temperature	122 to 140 °F	50 to 60 °C	

Notes

These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.

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