Altuglas® DRT MATT 101

Polymethyl Methacrylate Acrylic

Altuglas International of Arkema Inc.

Message:

Altuglas® DRT MATT 101 is a Polymethyl Methacrylate Acrylic product. It is available in Asia Pacific or Europe. Primary characteristic: flame rated.

General Information			
UL YellowCard	E106635-218388		
Appearance	Matte Finish		
Forms	Granules		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.15	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	1.6	g/10 min	ISO 1133
Molding Shrinkage - Flow	0.20 to 0.80	%	ASTM D955
Water Absorption (Equilibrium, 23°C, 50% RH)	0.36	%	ISO 62
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Yield, 23°C)	45.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	45	%	ISO 527-2
Flexural Modulus (23°C)	1850	MPa	ISO 178
Flexural Stress (23°C)	69.0	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	5.0	kJ/m²	ISO 179/2C
Charpy Unnotched Impact Strength (23°C)	60	kJ/m²	ISO 179/2U
Notched Izod Impact Strength (23°C)	5.0	kJ/m²	ISO 180/1A
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (1.8 MPa, Unannealed)	90.0	°C	ISO 75-2/A
Vicat Softening Temperature	98.0	°C	ISO 306/B
Flammability	**Nominal Value**		**Test Method**
Flame Rating	HB		UL 94
Optical	**Nominal Value**	**Unit**	**Test Method**
Refractive Index [1]	1.490		ISO 489
Transmittance	90.0	%	ASTM D1003
Injection	**Nominal Value**	**Unit**	
Drying Temperature	80.0 to 85.0	°C	
Drying Time	2.0 to 4.0	hr	
Processing (Melt) Temp	235 to 255	°C	
Mold Temperature	70.0 to 80.0	°C	
NOTE			
1.	Method B		

Recommended distributors for this material

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