

Altuglas® DR FROSTED

Polymethyl Methacrylate Acrylic
Altuglas International of Arkema Inc.

Message:

Altuglas® DR FROSTED is a Polymethyl Methacrylate Acrylic product. It is available in Asia Pacific or Europe.

General Information			
Appearance	Frost		
Forms	Granules		
Physical	Nominal Value	Unit	Test Method
Density	1.16	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	0.80	g/10 min	ISO 1133
Molding Shrinkage - Flow	0.30 to 0.80	%	ASTM D955
Water Absorption (Equilibrium, 23°C, 50% RH)	0.30	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	50		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	53.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	38	%	ISO 527-2
Flexural Modulus (23°C)	2300	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	3.7	kJ/m ²	ISO 180/1A
Instrumented Dart Impact			ASTM D3763
First Break Energy	0.810	J	
Total Energy	8.14	J	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	103	°C	ISO 306/A50
RTI Elec	91.5	°C	UL 746
RTI Imp	91.5	°C	UL 746
RTI Str	91.5	°C	UL 746
Optical	Nominal Value	Unit	Test Method
Transmittance ¹ (Total)	84.0	%	ASTM D1003
Haze	98	%	ASTM D1003
Additional Information	Nominal Value	Unit	Test Method
Chemical Resistance - ARTC Modified ²	3.5	min	MIL P-6997
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 85.0	°C	
Drying Time	2.0 to 4.0	hr	
Processing (Melt) Temp	215 to 245	°C	

Mold Temperature	70.0 to 80.0	°C
NOTE		
1.	White	
2.	Time to craze, 70% IPA, 1% strain	

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Recommended distributors for this material

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