

PlexTuf 2000

Polymethyl Methacrylate Acrylic

Altuglas International of Arkema Inc.

Message:

PlexTuf 2000 is a Polymethyl Methacrylate Acrylic product. It is available in North America.

General Information			
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	1.8	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.30 to 0.60	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	60		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1520	MPa	ASTM D638
Tensile Strength (Yield)	37.2	MPa	ASTM D638
Tensile Elongation (Break)	60	%	ASTM D638
Flexural Modulus	1520	MPa	ASTM D790
Flexural Strength (Yield)	50.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	59	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load ¹			ASTM D648
0.45 MPa, Annealed	101	°C	
1.8 MPa, Annealed	87.8	°C	
Vicat Softening Temperature			
--	92.2	°C	ASTM D1525 ²
--	85.0	°C	ASTM D1525 ³
Thermal Conductivity	0.22	W/m/K	ASTM C177
Optical	Nominal Value	Unit	Test Method
Refractive Index	1.490		ASTM D542
Transmittance (3180 µm)	91.0	%	ASTM D1003
Haze (3180 µm)	< 2.0	%	ASTM D1003
Additional Information	Nominal Value		Test Method
ASTM Classification	PMMA Unspecified		ASTM D788
NOTE			
1.	Annealed 4 hrs at 80°C		
2.	Rate A (50°C/h), Loading 1 (10 N)		
3.	Rate A (50°C/h), Loading 2 (50 N)		

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