Arkema Group Oroglas® MI-4T Acrylic, Heat Resistant (discontinued **)

Category : Polymer , Thermoplastic , Acrylic (PMMA) , Acrylic, Heat Resistant, Molded

Material Notes:

OROGLAS MI-4T is an acrylic grade that associates improved impact resistance with high heat resistance.Key features improved impact resistance: up to 4 times more impact resistant than standard acrylics. outstanding thermal resistance: HDT A (1.82 MPa) = 98°c. good flow and processing behavior. UV stability. clarity, brilliance and excellent optical properties. Typical applications OROGLAS MI-4T can be injection molded or extruded to produce technical items mainly for automotive and lighting markets.ISO data provided by the manufacturer, Arkema.Arkema, formed in 2004, was formerly Atofina Chemicals and before that Elf Atochem.

Order this product through the following link:
http://www.lookpolymers.com/polymer_Arkema-Group-Oroglas-MI-4T-Acrylic-Heat-Resistant-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.18 g/cc	0.0426 lb/in³	
Water Absorption	2.0 %	2.0 %	
Moisture Absorption at Equilibrium	0.32 %	0.32 %	Humidity Absorption
Melt Flow	2.8 g/10 min @Load 3.80 kg, Temperature 230 °C	2.8 g/10 min @Load 8.38 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	76.0 MPa	11000 psi	50 mm/min
Elongation at Break	20 %	20 %	Nominal Strain; 50 mm/min
Elongation at Yield	4.0 %	4.0 %	50 mm/min
Tensile Modulus	2.80 GPa	406 ksi	1 mm/min
Charpy Impact Unnotched	3.50 J/cm²	16.7 ft-lb/in²	
Charpy Impact, Notched	0.300 J/cm²	1.43 ft-lb/in²	
Tensile Creep Modulus, 1 hour	2300 MPa	334000 psi	
Tensile Creep Modulus, 1000 hours	1500 MPa	218000 psi	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	75.0 µm/m-°C @Temperature 20.0 °C	41.7 µin/in-°F @Temperature 68.0 °F	
Deflection Temperature at 0.46 MPa (66 psi)	102 °C	216 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	95.0 °C	203 °F	
Vicat Softening Point	102 °C	216 °F	50°C/hr; 50N
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	

Optical Properties	Metric	English	Comments
Transmission, Visible	80 %	80 %	Mfr. reports 'Transparent' but doesn't quantify.

Electrical Properties	Metric	English	Comments
Electrical Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	
Surface Resistance	1.00e+14 ohm	1.00e+14 ohm	
Dielectric Constant	3.2 @Frequency 1e+6 Hz	3.2 @Frequency 1e+6 Hz	
	3.8 @Frequency 100 Hz	3.8 @Frequency 100 Hz	
Dielectric Strength	18.7 kV/mm	475 kV/in	
Dissipation Factor	0.040 @Frequency 1e+6 Hz	0.040 @Frequency 1e+6 Hz	
	0.050 @Frequency 100 Hz	0.050 @Frequency 100 Hz	
Comparative Tracking Index	600 V	600 V	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com
Email : sales@lookpolymers.com
Tel : +86 021-51131842
Mobile : +86 13061808058
Skype : lookpolymers
Address : United North Road 215,Fengxian District, Shanghai City,China