

Bulk Molding Compounds tetra-DUR F 4401 Bulk Molding Compound

Category : Polymer , Thermoset , Polyester, TS , Polyester (Thermoset) - Rigid

Material Notes:

UL-licensed, general purpose product Typical Applications - Requiring mechanical strength, abrasion resistance, dimensional stability, electrical insulation, electrostatic dissipation (explosion protection), thermal stability, color retention, chemical stability, zero shrink/class-A-surface, and uniform color. Information provided by Bulk Molding Compounds, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Bulk-Molding-Compounds-tetra-DUR-F-4401-Bulk-Molding-Compound.php

Physical Properties	Metric	English	Comments
Density	1.80 - 2.00 g/cc	0.0650 - 0.0723 lb/in ³	ISO 1138
Linear Mold Shrinkage	0.00 - 0.0020 cm/cm	0.00 - 0.0020 in/in	processing; ISO 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength	30.0 - 50.0 MPa	4350 - 7250 psi	ISO 527
Flexural Strength	100 - 140 MPa	14500 - 20300 psi	ISO 178
Flexural Modulus	9.00 - 13.0 GPa	1310 - 1890 ksi	ISO 178
Compressive Strength	140 - 180 MPa	20300 - 26100 psi	ISO 604
Charpy Impact Unnotched	1.80 - 3.00 J/cm ²	8.57 - 14.3 ft-lb/in ²	ISO 179
Charpy Impact, Notched	1.80 - 3.00 J/cm ²	8.57 - 14.3 ft-lb/in ²	ISO 179

Thermal Properties	Metric	English	Comments
CTE, linear	15.0 - 25.0 µm/m-°C	8.33 - 13.9 µin/in-°F	VDE 0304T1
Deflection Temperature at 1.8 MPa (264 psi)	>= 240 °C	>= 464 °F	ISO 75
Flammability, UL94	V-0 @Thickness 16.0 mm	V-0 @Thickness 0.630 in	
Shrinkage	0.00 - 0.050 %	0.00 - 0.050 %	post molding; ISO 2577

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	IEC 60093
Surface Resistance	1.00e+13 ohm	1.00e+13 ohm	IEC 60093
Dielectric Constant	4.5	4.5	IEC 60250

Electrical Properties	@Frequency 100 Hz Metric	@Frequency 100 Hz English	Comments
Dielectric Strength	29.0 kV/mm @Thickness 1.00 mm	737 kV/in @Thickness 0.0394 in	IEC 60243
Dielectric Loss Index	<= 0.030 @Frequency 100 Hz	<= 0.030 @Frequency 100 Hz	IEC 60250
Arc Resistance	190 - 210 sec	190 - 210 sec	ASTM D495-61
Comparative Tracking Index	>= 600 V	>= 600 V	IEC 60112

Descriptive Properties	Value	Comments
Water Absorption	>40 mg/1d	ISO 62

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