

Evonik Corporation Pleximid® 8813 PMMI Molding Compound

Category : Polymer , Thermoplastic , Polyimide, Thermoplastic , Thermoplastic Polyimide, Unfilled

Material Notes:

Description: PLEXIMID® is a polymethyl methacrylimide (PMMI) product. This molding compound is characterized by its very high heat deflection temperature under load and rigidity. PLEXIMID® molding compounds are particularly suited for injection-molded parts for applications exposed to extreme thermal stress. Information provided by degussa.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Evonik-Corporation-Pleximid-8813-PMMI-Molding-Compound.php

Physical Properties	Metric	English	Comments
Density	1.21 g/cc	0.0437 lb/in ³	ISO 1183
Melt Flow	24.2 g/10 min @Load 10.0 kg, Temperature 260 °C	24.2 g/10 min @Load 22.0 lb, Temperature 500 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	85.0 MPa	12300 psi	5 mm/min; ISO 527
Elongation at Break	4.0 %	4.0 %	5 mm/min; ISO 527
Tensile Modulus	4.00 GPa	580 ksi	1 mm/min; ISO 527
Charpy Impact Unnotched	2.00 J/cm ² @Temperature 23.0 °C	9.52 ft-lb/in ² @Temperature 73.4 °F	ISO 179

Thermal Properties	Metric	English	Comments
Vicat Softening Point	130 °C	266 °F	B50; ISO 306
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	IEC 707

Optical Properties	Metric	English	Comments
Refractive Index	1.51	1.51	ISO 489
Transmission, Visible	90 %	90 %	Transmission Factor; DIN 5036

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