

ExxonMobil Exxtral™ HMT 402 Performance Polyolefin

Category : Polymer , Thermoplastic , Ethylene Butyl Acrylate

Material Notes:

Product Description: A specialty thermoplastic polyolefin resin with very high stiffness, high heat ageing resistance and detergent resistance designed for electrical applications such as washing machines. **Availability:** Europe **Features:** Good Dimensional Stability **Good Surface Finish** **Low Warpage** **Ultra High Stiffness** **Uses:** Appliance Components **Appliances** **Processing Method:** Injection Molding **Information provided by ExxonMobil**

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Exxtral-HMT-402-Performance-Polyolefin.php

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/in ³	ISO 1183
Melt Flow	7.5 g/10 min @Load 2.16 kg, Temperature 230 °C	7.5 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	29.0 MPa	4210 psi	ISO 527-2/50
Tensile Strength, Yield	32.0 MPa	4640 psi	ISO 527-2/50
Elongation at Break	5.0 %	5.0 %	ISO 527-2/50
Elongation at Yield	3.2 %	3.2 %	ISO 527-2/50
Tensile Modulus	4.25 GPa	616 ksi	Secant; ISO 527-2
Flexural Modulus	4.35 GPa	631 ksi	ISO 178
Charpy Impact, Notched	0.294 J/cm ² @Temperature 22.8 °C	1.40 ft-lb/in ² @Temperature 73.0 °F	Complete Break; ISO 179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	73.9 °C	165 °F	ISO 75-2/A

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