

ExxonMobil Exxtral™ HMU 404 Performance Polyolefin

Category : Polymer , Thermoplastic , Ethylene Butyl Acrylate

Material Notes:

Product Description: A specialty thermoplastic polyolefin resin, black colored, characterized by very high stiffness and high heat stabilization. Typically used in automotive heating and air conditioning units. **Availability:** Africa & Middle East, Asia Pacific, Europe, South America and North America **Features:** Good Dimensional Stability Ultra High Stiffness **Uses:** Automotive Applications Automotive Interior Parts Automotive Under the Hood **Consume Applications Processing Method:** Injection Molding **Information provided by ExxonMobil**

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Exxtral-HMU-404-Performance-Polyolefin.php

Physical Properties	Metric	English	Comments
Density	1.21 g/cc	0.0437 lb/in ³	ISO 1183
Melt Flow	13 g/10 min @Load 2.16 kg, Temperature 230 °C	13 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	31.0 MPa	4500 psi	ISO 527-2/50
Tensile Strength, Yield	33.0 MPa	4790 psi	ISO 527-2/50
Elongation at Break	4.5 %	4.5 %	ISO 527-2/50
Elongation at Yield	3.1 %	3.1 %	ISO 527-2/50
Tensile Modulus	4.00 GPa	580 ksi	Secant; ISO 527-2
Charpy Impact, Notched	0.273 J/cm ² @Temperature 22.8 °C	1.30 ft-lb/in ² @Temperature 73.0 °F	Complete Break; ISO 179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	126 °C	259 °F	ISO 75-2/B
Deflection Temperature at 1.8 MPa (264 psi)	70.0 °C	158 °F	ISO 75-2/A

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