

ExxonMobil Exxtral™ HMU 405 Performance Polyolefin

Category : Polymer , Thermoplastic , Ethylene Butyl Acrylate

Material Notes:

Product Description: A specialty thermoplastic polyolefin resin with high heat ageing resistance, high transparency, low color and low discoloration for contact with hot water, hot air and detergent in electrical appliances such as washing machines. **Availability:** Latin America, North America and South America **Features:** Good Mold Release Good Surface Finish Good Thermal Stability **Uses:** Appliance Components Appliances Automotive Applications Automotive Under the Hood Consumer Applications **Processing Method:** Injection Molding **Information provided by ExxonMobil**

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Exxtral-HMU-405-Performance-Polyolefin.php

Physical Properties	Metric	English	Comments
Density	1.21 g/cc	0.0437 lb/in ³	ISO 1183

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	32.0 MPa	4640 psi	ISO 527-2/50
Elongation at Break	4.0 %	4.0 %	ISO 527-2/50
Elongation at Yield	3.0 %	3.0 %	ISO 527-2/50
Tensile Modulus	4.50 GPa	653 ksi	Secant; ISO 527-2
Charpy Impact, Notched	0.294 J/cm ² @Temperature 22.8 °C	1.40 ft-lb/in ² @Temperature 73.0 °F	ISO 179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	137 °C	279 °F	ISO 75-2/B
Deflection Temperature at 1.8 MPa (264 psi)	80.0 °C	176 °F	ISO 75-2/A

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