

ExxonMobil Exxtral™ BMU 234 Performance Polyolefin

Category : Polymer , Thermoplastic , Ethylene Butyl Acrylate

Material Notes:

Product Description: A specialty thermoplastic polyolefin resin designed for automotive exterior parts and high stiffness, high impact and good dimensional stability.
Availability: Africa & Middle East, Asia Pacific, Europe, Latin America, South America and North America

Features: Good Creep Resistance Good Dimensional Stability Good Impact Resistance Paintable Ultra High Stiffness **Uses:** Automotive

Applications: Automotive Exterior Parts Automotive Exterior Trim **Processing Method:** Injection Molding **Information provided by ExxonMobil**

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Exxtral-BMU-234-Performance-Polyolefin.php

Physical Properties	Metric	English	Comments
Density	1.02 g/cc	0.0368 lb/in ³	ISO 1183
Melt Flow	15 g/10 min @Load 2.16 kg, Temperature 230 °C	15 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	14.4 MPa	2090 psi	ISO 527-2
Tensile Strength, Yield	18.5 MPa	2680 psi	ISO 527-2
Tensile Modulus	1.84 GPa	267 ksi	Secant; ISO 527-2
Flexural Modulus	1.85 GPa	268 ksi	ISO 178
Charpy Impact, Notched	0.441 J/cm ² @Temperature -30.0 °C	2.10 ft-lb/in ² @Temperature -22.0 °F	Complete Break; ISO 179
	0.546 J/cm ² @Temperature -20.0 °C	2.60 ft-lb/in ² @Temperature -4.00 °F	Complete Break; ISO 179
	0.735 J/cm ² @Temperature 0.000 °C	3.50 ft-lb/in ² @Temperature 32.0 °F	Complete Break; ISO 179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	97.2 °C	207 °F	ISO 75-2/B
Deflection Temperature at 1.8 MPa (264 psi)	53.9 °C	129 °F	ISO 75-2/A

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