

ExxonMobil Exxtral™ BMU 139 Performance Polyolefin

Category : Polymer , Thermoplastic , Polyolefin

Material Notes:

Product Description: A specialty thermoplastic polyolefin resin characterized by a good stiffness/toughness balance for automotive exterior applications such as bumper fascia. **Availability:** Asia Pacific, Europe, South America and North America **Features:** Balanced Stiffness/Toughness Ductile Low Temperature Impact Resistance **Uses:** Automotive Bumper 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-139-Performance-Polyolefin.php

Physical Properties	Metric	English	Comments
Density	0.960 g/cc	0.0347 lb/in ³	ISO 1183
Melt Flow	13 g/10 min	13 g/10 min	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	13.0 MPa	1890 psi	ISO 527-2
Tensile Strength, Yield	17.0 MPa	2470 psi	ISO 527-2
Elongation at Break	52 %	52 %	ISO 527-2
Elongation at Yield	4.0 %	4.0 %	ISO 527-2
Tensile Modulus	1.30 GPa	189 ksi	Secant; ISO 527-2
Charpy Impact, Notched	0.693 J/cm ²	3.30 ft-lb/in ²	Complete Break; ISO 179
	@Temperature -30.0 °C	@Temperature -22.0 °F	
	0.798 J/cm ²	3.80 ft-lb/in ²	Complete Break; ISO 179
	@Temperature -20.0 °C	@Temperature -4.00 °F	
	1.81 J/cm ²	8.60 ft-lb/in ²	Complete Break; ISO 179
	@Temperature 0.000 °C	@Temperature 32.0 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	48.9 °C	120 °F	ISO 75-2/A

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