

ExxonMobil Exxtral™ BNU 011 Performance Polyolefin

Category : Polymer , Thermoplastic , Ethylene Butyl Acrylate

Material Notes:

Product Description: A specialty thermoplastic polyolefin resin characterized by a good stiffness/toughness balance and designed for injection molded automotive interior applications. **Availability:** Africa & Middle East, Asia Pacific, Europe, South America and North America

Features: Balanced Stiffness/Toughness Ductile Good Colorability Good Surface Finish High Impact Resistance High Scratch Resistance

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

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Exxtral-BNU-011-Performance-Polyolefin.php

Physical Properties	Metric	English	Comments
Density	0.910 g/cc	0.0329 lb/in ³	ISO 1183
Melt Flow	9.0 g/10 min	9.0 g/10 min	ISO 1133
	@Load 2.16 kg, Temperature 230 °C	@Load 4.76 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	16.4 MPa	2380 psi	ISO 527-2/50
Tensile Strength, Yield	23.0 MPa	3340 psi	ISO 527-2/50
Elongation at Break	50 %	50 %	ISO 527-2/50
Elongation at Yield	4.0 %	4.0 %	ISO 527-2/50
Tensile Modulus	1.37 GPa	199 ksi	Secant; ISO 527-2/50
Charpy Impact, Notched	0.504 J/cm ²	2.40 ft-lb/in ²	Complete Break; ISO 179
	@Temperature -20.0 °C	@Temperature -4.00 °F	
	0.735 J/cm ²	3.50 ft-lb/in ²	Complete Break; ISO 179
	@Temperature 0.000 °C	@Temperature 32.0 °F	
	1.20 J/cm ²	5.70 ft-lb/in ²	Complete Break; ISO 179
	@Temperature 22.8 °C	@Temperature 73.0 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	51.1 °C	124 °F	ISO 75-2/A

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