

ExxonMobil Exxtral™ BNU 013 Performance Polyolefin

Category : Polymer , Thermoplastic , Ethylene Butyl Acrylate

Material Notes:

Product Description: A specialty thermoplastic polyolefin resin characterized by a good impact resistance, high stiffness, good scratch and good surface finishing designed for automotive interior applications such as door panels. **Availability:** Africa & Middle East, Asia Pacific, Europe, Latin America, South America and North America **Features:** Balanced Stiffness/Toughness Good Impact Resistance Good Processability High Scratch Resistance High Stiffness Medium Flow **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-013-Performance-Polyolefin.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ISO 1183
Melt Flow	16 g/10 min @Load 2.16 kg, Temperature 230 °C	16 g/10 min @Load 4.76 lb, Temperature 446 °F	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 Yield	4.0 %	4.0 %	ISO 527-2
Tensile Modulus	1.01 GPa	146 ksi	Secant; ISO 527-2
Flexural Modulus	1.03 GPa	149 ksi	ISO 178
Charpy Impact, Notched	0.903 J/cm ² @Temperature -20.0 °C	4.30 ft-lb/in ² @Temperature -4.00 °F	Complete Break; ISO 179
	1.30 J/cm ² @Temperature 0.000 °C	6.20 ft-lb/in ² @Temperature 32.0 °F	Complete Break; ISO 179
	2.10 J/cm ² @Temperature 22.8 °C	10.0 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)	68.9 °C	156 °F	ISO 75-2/B
Deflection Temperature at 1.8 MPa (264 psi)	45.0 °C	113 °F	ISO 75-2/A

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