

ExxonMobil Exxtral™ BNT 013 Performance Polyolefin

Category : Polymer , Thermoplastic , Ethylene Butyl Acrylate

Material Notes:

Product Description: A specialty thermoplastic polyolefin resin designed for injection molded automotive interior applications such as door panels. **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:** Low **Temperature Impact 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-BNT-013-Performance-Polyolefin.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 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	14.0 MPa	2030 psi	ISO 527-2/50
Tensile Strength, Yield	18.0 MPa	2610 psi	ISO 527-2/50
Elongation at Break	60 %	60 %	ISO 527-2/50
Elongation at Yield	4.0 %	4.0 %	ISO 527-2/50
Tensile Modulus	1.00 GPa	145 ksi	Secant; ISO 527-2/50
Flexural Modulus	0.951 GPa	138 ksi	Secant; ISO 178
Charpy Impact, Notched	0.861 J/cm ²	4.10 ft-lb/in ²	Complete Break; ISO 179
	@Temperature -30.0 °C	@Temperature -22.0 °F	
	1.30 J/cm ²	6.20 ft-lb/in ²	Complete Break; ISO 179
	@Temperature 0.000 °C	@Temperature 32.0 °F	
	2.52 J/cm ²	12.0 ft-lb/in ²	Partial Break; ISO 179
	@Temperature 22.8 °C	@Temperature 73.0 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	47.2 °C	117 °F	ISO 75-2/A

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