

ExxonMobil Exxtral™ BMT222 Performance Polyolefin

Category : Polymer , Thermoplastic , Polyolefin

Material Notes:

Product Description: A specialty thermoplastic polyolefin resin characterized by good stiffness/toughness balance and designed for automotive interior applications in which good surface finish and good UV resistance are required. **Availability:** Africa & Middle East, Asia Pacific, Europe, North America and South America **Features:** Balanced Stiffness/Toughness Good Dimensional Stability Good Surface Finish High Impact Resistance Low Temperature Impact Resistance Low to No Fogging **Uses:** Automotive Applications Automotive Instrument Panel 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-BMT222-Performance-Polyolefin.php

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in ³	ISO 1183
Melt Flow	6.5 g/10 min @Load 2.16 kg, Temperature 230 °C	6.5 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	12.0 MPa	1740 psi	ISO 527-2/50
Tensile Strength, Yield	17.4 MPa	2520 psi	ISO 527-2/50
Elongation at Break	40 %	40 %	ISO 527-2/50
Elongation at Yield	3.0 %	3.0 %	ISO 527-2/50
Tensile Modulus	1.72 GPa	249 ksi	Secant; ISO 527-2
Charpy Impact, Notched	0.546 J/cm ² @Temperature -30.0 °C	2.60 ft-lb/in ² @Temperature -22.0 °F	Complete Break; ISO 179
	1.49 J/cm ² @Temperature 0.000 °C	7.10 ft-lb/in ² @Temperature 32.0 °F	Partial Break; ISO 179
	4.20 J/cm ² @Temperature 22.8 °C	20.0 ft-lb/in ² @Temperature 73.0 °F	Partial Break; ISO 179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	92.2 °C	198 °F	ISO 75-2/B
Deflection Temperature at 1.8 MPa (264 psi)	50.0 °C	122 °F	ISO 75-2/A

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