

ExxonMobil Exxtral™ BMU 143S Performance Polyolefin

Category : Polymer , Thermoplastic , Polyolefin

Material Notes:

Product Description: A specialty thermoplastic polyolefin resin characterized by a good stiffness/toughness balance and designed for automotive interior application in which good surface finish, high scratch resistance and good UV resistance are required. Availability: Africa & Middle East, Asia Pacific, Europe, Latin America, South America and North America Features: Good Surface Finish High Impact Resistance High Scratch Resistance Low to No Fogging Low to No Odor Low VOC Uses: 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-BMU-143S-Performance-Polyolefin.php

Physical Properties	Metric	English	Comments
Density	1.00 g/cc	0.0361 lb/in ³	ISO 1183
Melt Flow	13 g/10 min	13 g/10 min	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	21.0 MPa	3050 psi	ISO 527-2
Tensile Modulus	1.78 GPa	258 ksi	Secant; ISO 527-2
Flexural Modulus	1.70 GPa	247 ksi	ISO 178
Charpy Impact, Notched	0.399 J/cm ²	1.90 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 0.000 °C	@Temperature 32.0 °F	
	1.49 J/cm ²	7.10 ft-lb/in ²	Complete Break; ISO 179
	@Temperature 22.8 °C	@Temperature 73.0 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	93.9 °C	201 °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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