

ExxonMobil Exxtral™ HMU 216 Performance Polyolefin

Category : Polymer , Thermoplastic , Ethylene Butyl Acrylate

Material Notes:

Product Description: A specialty thermoplastic polyolefin resin characterized by high stiffness and designed for automotive exterior applications in which good surface finish and good UV resistance are required. Availability: Africa & Middle East, Asia Pacific, Europe, South America and North America Features: Good Dimensional StabilityGood Mold ReleaseGood Surface FinishGood UV ResistanceGood Weather ResistanceUltra High StiffnessUses: Automotive ApplicationsAutomotive Exterior PartsAutomotive Exterior Trim Processing

Method: Injection MoldingInformation provided by ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Exxtral-HMU-216-Performance-Polyolefin.php

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in³	ISO 1183
Melt Flow	12 g/10 min @Load 2.16 kg, Temperature 230 °C	12 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	26.0 MPa	3770 psi	ISO 527-2/50
Tensile Strength, Yield	32.0 MPa	4640 psi	ISO 527-2/50
Elongation at Yield	4.0 %	4.0 %	ISO 527-2/50
Tensile Modulus	2.85 GPa	413 ksi	Secant; ISO 527-2
Flexural Modulus	2.90 GPa	421 ksi	ISO 178
Charpy Impact, Notched	0.294 J/cm² @Temperature 22.8 °C	1.40 ft-lb/in² @Temperature 73.0 °F	Complete Break; ISO 179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	118 °C	244 °F	ISO 75-2/B
Deflection Temperature at 1.8 MPa (264 psi)	65.0 °C	149 °F	ISO 75-2/A

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