

ExxonMobil Exxtral™ H1725 Performance Polyolefin

Category : Polymer , Thermoplastic , Ethylene Butyl Acrylate

Material Notes:

Product Description: A specialty thermoplastic olefin compound resin with good flow, cold temperature resistance, high flexural modulus, low CLTE, and excellent paintability for automotive exterior applications. **Availability:** North America **Features:** Ductile Good UV Resistance High Flow High Scratch Resistance Low Temperature Impact Resistance Paintable **Uses:** Automotive Applications Automotive Bumper Automotive Exterior Trim Paintable Automotive **Specifications:** GM GMP.E/P.156 **Processing Method:** Injection Molding **Information provided by ExxonMobil**

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Exxtral-H1725-Performance-Polyolefin.php

Physical Properties	Metric	English	Comments
Density	1.02 g/cc	0.0368 lb/in ³	ISO 1183/A
Melt Flow	26 g/10 min @Load 2.16 kg, Temperature 230 °C	26 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	19.0 MPa	2760 psi	ISO 527-2/50
Flexural Modulus	1.69 GPa	245 ksi	Chord, 0.079 in/min; ISO 178
Izod Impact, Notched (ISO)	39.9 kJ/m ²	19.0 ft-lb/in ²	ISO 180/A
Dart Drop, Total Energy	26.0 J @Temperature -30.0 °C	19.2 ft-lb @Temperature -22.0 °F	ASTM D3763

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	0.504 μm/m-°C @Temperature -30.0 - 100 °C	0.280 μin/in-°F @Temperature -22.0 - 212 °F	ASTM E831
Deflection Temperature at 1.8 MPa (264 psi)	55.0 °C	131 °F	ISO 75-2/Af

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