

ExxonMobil Exxtral™ H1020H Performance Polyolefin

Category : Polymer , Thermoplastic , Ethylene Butyl Acrylate

Material Notes:

Product Description: A specialty thermoplastic olefin resin with good flow, cold temperature impact resistance, low CLTE, medium shrinkage and excellent paintability for automotive exterior applications. **Availability:** North America **Features:** Ductile Good UV Resistance High Flow Low Temperature Impact Resistance Paintable **Uses:** Automotive Applications Automotive Bumper Automotive Exterior Trim Automotive Specifications: GM GM7001 EP and GM GMP.E/P.133 **Processing Method:** Injection Molding **Information provided by** ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Exxtral-H1020H-Performance-Polyolefin.php

Physical Properties	Metric	English	Comments
Density	0.940 g/cc	0.0340 lb/in³	ISO 1183
Melt Flow	24 g/10 min @Load 2.16 kg, Temperature 230 °C	24 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	17.5 MPa	2540 psi	ISO 527-2/50
Flexural Modulus	1.07 GPa	155 ksi	Secant, 0.079 in/min; ISO 178
Dart Drop, Total Energy	16.4 J @Thickness 3.20 mm, Temperature 22.8 °C	12.1 ft-lb @Thickness 0.126 in, Temperature 73.0 °F	Energy to Peak Force, Ductile Failure, 7.33 ft/sec; ASTM D3763
	26.2 J @Thickness 3.20 mm, Temperature -30.0 °C	19.3 ft-lb @Thickness 0.126 in, Temperature -22.0 °F	Energy to Peak Force, Ductile Failure, 7.33 ft/sec; ASTM D3763

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	0.774 µm/m-°C @Temperature -30.0 - 100 °C	0.430 µin/in-°F @Temperature -22.0 - 212 °F	ASTM E831

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