

ExxonMobil Exxtral™ CNU 012 Performance Polyolefin

Category : Polymer , Thermoplastic , Ethylene Butyl Acrylate

Material Notes:

Product Description: A specialty thermoplastic polyolefin resin designed for injection molded automotive applications. **Availability:** Africa & Middle East, Asia Pacific, Europe, South America and North America **Features:** Balanced Stiffness/Toughness **Good Impact Resistance** **Uses:** Automotive ApplicationsAutomotive Interior PartsAutomotive Interior TrimAutomotive Under the Hood **Processing Method:** Injection Molding
Information provided by ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Exxtral-CNU-012-Performance-Polyolefin.php

Physical Properties	Metric	English	Comments
Density	0.915 g/cc	0.0331 lb/in ³	ISO 1183
Melt Flow	16 g/10 min @Load 2.16 kg, Temperature 230 °C	16 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	17.0 MPa	2470 psi	ISO 527-2/50
Tensile Strength, Yield	24.0 MPa	3480 psi	ISO 527-2/50
Elongation at Break	>= 50 %	>= 50 %	ISO 527-2/50
Elongation at Yield	5.7 %	5.7 %	ISO 527-2/50
Tensile Modulus	1.25 GPa	181 ksi	Secant; ISO 527-2
Charpy Impact, Notched	0.504 J/cm ² @Temperature -20.0 °C	2.40 ft-lb/in ² @Temperature -4.00 °F	Complete Break; ISO 179
	0.609 J/cm ² @Temperature -5.00 °C	2.90 ft-lb/in ² @Temperature 23.0 °F	Complete Break; ISO 179
	0.903 J/cm ² @Temperature 22.8 °C	4.30 ft-lb/in ² @Temperature 73.0 °F	Complete Break; ISO 179

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

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