

ExxonMobil Exxtral™ CNU 015 Performance Polyolefin

Category : Polymer , Thermoplastic , Ethylene Butyl Acrylate

Material Notes:

Product Description: A specialty thermoplastic polyolefin resin with good stiffness/toughness balance, low odor and emissions, designed for automotive interior applications. **Availability:** Africa & Middle East, Asia Pacific, Europe, South America and North America **Features:** Balanced Stiffness/Toughness Good Impact Resistance Good Surface Finish Low Emissions Low to No Fogging Non-sticky **Uses:** Automotive Applications 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-CNU-015-Performance-Polyolefin.php

Physical Properties	Metric	English	Comments
Density	0.910 g/cc	0.0329 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	26.0 MPa	3770 psi	ISO 527-2/50
Elongation at Break	70 %	70 %	ISO 527-2/50
Elongation at Yield	5.0 %	5.0 %	ISO 527-2/50
Tensile Modulus	1.45 GPa	210 ksi	Secant; ISO 527-2
Charpy Impact, Notched	0.441 J/cm ² @Temperature -30.0 °C	2.10 ft-lb/in ² @Temperature -22.0 °F	Complete Break; ISO 179
	0.651 J/cm ² @Temperature 0.000 °C	3.10 ft-lb/in ² @Temperature 32.0 °F	Complete Break; ISO 179
	1.05 J/cm ² @Temperature 22.8 °C	5.00 ft-lb/in ² @Temperature 73.0 °F	Complete Break; ISO 179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	95.0 °C	203 °F	ISO 75-2/B
Deflection Temperature at 1.8 MPa (264 psi)	52.2 °C	126 °F	ISO 75-2/A

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