

ExxonMobil Exxtral™ CNR 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:** Ductile Good Creep Resistance Good Surface Finish High Impact Resistance Low to No Fogging **Uses:** Automotive Applications **Processing Method:** Injection Molding **Information provided by:** ExxonMobil

Order this product through the following link:

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

Physical Properties	Metric	English	Comments
Density	0.910 g/cc	0.0329 lb/in³	ISO 1183
Melt Flow	4.0 g/10 min @Load 2.16 kg, Temperature 230 °C	4.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	23.0 MPa	3340 psi	ISO 527-2
Elongation at Break	>= 400 %	>= 400 %	ISO 527-2
Elongation at Yield	10 %	10 %	ISO 527-2
Tensile Modulus	1.00 GPa	145 ksi	Secant; ISO 527-2
Charpy Impact, Notched	0.441 J/cm² @Temperature -20.0 °C	2.10 ft-lb/in² @Temperature -4.00 °F	ISO 179
	0.651 J/cm² @Temperature 0.000 °C	3.10 ft-lb/in² @Temperature 32.0 °F	ISO 179
	1.60 J/cm² @Temperature 22.8 °C	7.60 ft-lb/in² @Temperature 73.0 °F	ISO 179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	77.2 °C	171 °F	ISO 75-2/B
Deflection Temperature at 1.8 MPa (264 psi)	47.8 °C	118 °F	ISO 75-2/A

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