

ExxonMobil Exxtral™ CNK 010 Performance Polyolefin

Category : Polymer , Thermoplastic , Ethylene Butyl Acrylate

Material Notes:

Product Description: A specialty thermoplastic polyolefin resin designed for injection or extrusion automotive applications with low melt and excellent low temperature impact. **Availability:** Africa & Middle East, Europe and North America **Features:** Good Impact ResistanceLow **FlowUses:** Automotive Applications **Processing Method:** Injection MoldingInformation provided by ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Exxtral-CNK-010-Performance-Polyolefin.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ISO 1183
Melt Flow	1.0 g/10 min	1.0 g/10 min	ISO 1133
	@Load 2.16 kg, Temperature 230 °C	@Load 4.76 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	25.0 MPa	3630 psi	ISO 527-2
Elongation at Yield	10 %	10 %	ISO 527-2
Tensile Modulus	1.15 GPa	167 ksi	ISO 527-2
Flexural Strength	31.0 MPa	4500 psi	ISO 178
Flexural Modulus	1.10 GPa	160 ksi	ISO 178
Izod Impact, Notched (ISO)	27.3 kJ/m ²	13.0 ft-lb/in ²	Partial Break; ISO 180
Charpy Impact, Notched	0.294 J/cm ²	1.40 ft-lb/in ²	Complete Break; ISO 179
	@Temperature -20.0 °C	@Temperature -4.00 °F	
	0.399 J/cm ²	1.90 ft-lb/in ²	Complete Break; ISO 179
	@Temperature 0.000 °C	@Temperature 32.0 °F	
	2.52 J/cm ²	12.0 ft-lb/in ²	Partial Break; ISO 179
	@Temperature 22.8 °C	@Temperature 73.0 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	76.1 °C	169 °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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