

ExxonMobil Exxtral™ CMW 203 Performance Polyolefin

Category : Polymer , Thermoplastic , Ethylene Butyl Acrylate

Material Notes:

Product Description: A specialty thermoplastic polyolefin resin characterized by high flow and designed for automotive interior applications such as door panel linings and other low pressure back molding applications. **Availability:** Africa & Middle East, Asia Pacific, Europe, South America and North America **Features:** Good Dimensional Stability Good Impact Resistance Good Mold Release High Flow **Uses:** Automotive Applications Automotive Interior Parts Automotive Interior Trim **Processing Method:** Injection Molding **Information provided by** ExxonMobil

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http://www.lookpolymers.com/polymer_ExxonMobil-Exxtral-CMW-203-Performance-Polyolefin.php

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in ³	ISO 1183
Melt Flow	40 g/10 min	40 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 at Break	21.0 MPa	3050 psi	ISO 527-2/50
Tensile Strength, Yield	24.0 MPa	3480 psi	ISO 527-2/50
Elongation at Break	7.0 %	7.0 %	ISO 527-2/50
Elongation at Yield	2.6 %	2.6 %	ISO 527-2/50
Tensile Modulus	2.50 GPa	363 ksi	Secant; ISO 527-2
Charpy Impact, Notched	0.210 J/cm ²	1.00 ft-lb/in ²	Complete Break; ISO 179
	@Temperature -20.0 °C	@Temperature -4.00 °F	
	0.294 J/cm ²	1.40 ft-lb/in ²	Complete Break; ISO 179
	@Temperature 0.000 °C	@Temperature 32.0 °F	
	0.504 J/cm ²	2.40 ft-lb/in ²	Complete Break; ISO 179
	@Temperature 22.8 °C	@Temperature 73.0 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	116 °C	241 °F	ISO 75-2/B
Deflection Temperature at 1.8 MPa (264 psi)	62.8 °C	145 °F	ISO 75-2/A

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