

## ExxonMobil Exxtral™ CMW 402 Performance Polyolefin

Category : Polymer , Thermoplastic , Ethylene Butyl Acrylate

**Material Notes:**

**Product Description:** A specialty thermoplastic polyolefin resin designed for automotive under-the-hood applications. **Availability:** Africa & Middle East, Asia Pacific, Europe, South America and North America **Features:** Good Creep Resistance Good Dimensional Stability Good Mold High Flow Ultra High Stiffness **Uses:** Appliance Components Appliances Automotive Applications Automotive 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-CMW-402-Performance-Polyolefin.php](http://www.lookpolymers.com/polymer_ExxonMobil-Exxtral-CMW-402-Performance-Polyolefin.php)

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/in <sup>3</sup>	ISO 1183
Melt Flow	18 g/10 min @Load 2.16 kg, Temperature 230 °C	18 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	20.0 MPa	2900 psi	ISO 527-2/50
Tensile Strength, Yield	27.0 MPa	3920 psi	ISO 527-2/50
Elongation at Break	5.0 %	5.0 %	ISO 527-2/50
Elongation at Yield	4.0 %	4.0 %	ISO 527-2/50
Flexural Modulus	3.50 GPa	508 ksi	Secant; ISO 178
Izod Impact, Notched (ISO)	3.15 kJ/m <sup>2</sup>	1.50 ft-lb/in <sup>2</sup>	Complete Break; ISO 180/B
Charpy Impact Unnotched	2.31 J/cm <sup>2</sup>	11.0 ft-lb/in <sup>2</sup>	ISO 179/1eU
Charpy Impact, Notched	0.504 J/cm <sup>2</sup> @Temperature 22.8 °C	2.40 ft-lb/in <sup>2</sup> @Temperature 73.0 °F	Complete Break; ISO 179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	65.0 °C	149 °F	ISO 75-2/A

## Contact Songhan Plastic Technology Co.,Ltd.

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