

Exxtral™ Performance Polyolefin CMW402

Polypropylene, Compounded (TPO)

Product Description

A specialty thermoplastic polyolefin resin designed for automotive under-the-hood applications.

General

Features	▪ Good Dimensional Stability	▪ Good Mold Release	▪ Ultra High Stiffness
Uses	▪ Appliances	▪ Automotive Applications	▪ Automotive Under the Hood
Appearance	▪ Black		
Form(s)	▪ Pellets		
Processing Method	▪ Injection Molding		

Physical	Typical Value (English)	Typical Value (SI)	Test Based On
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	18 g/10 min	18 g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR)	18 cm ³ /10min	18 cm ³ /10min	ISO 1133
Density	1.20 g/cm ³	1.20 g/cm ³	ISO 1183

Mechanical	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Stress at Yield	3920 psi	27.0 MPa	ISO 527-2/50
Tensile Strain at Yield	4.0 %	4.0 %	ISO 527-2/50
Tensile Modulus	508000 psi	3500 MPa	ISO 527-2
Flexural Modulus - Secant	508000 psi	3500 MPa	ISO 178

Impact	Typical Value (English)	Typical Value (SI)	Test Based On
Notched Izod Impact Strength 73°F (23°C), Complete Break	1.5 ft-lb/in ²	3.2 kJ/m ²	ISO 180/B
Charpy Notched Impact Strength 73°F (23°C), Complete Break	1.4 ft-lb/in ²	2.9 kJ/m ²	ISO 179

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Heat Deflection Temperature (1.80 MPa)	149 °F	65.0 °C	ISO 75-2/A
Heat Deflection Temperature (0.45 MPa)	248 °F	120 °C	ISO 75-2/B

