

Exxtral™ Performance Polyolefin CMW203

Polypropylene, Compounded (TPO)

Product Description

A specialty thermoplastic polyolefin resin characterized by very high flow and designed for automotive interior applications such as door panel linings and other low pressure back molding applications.

General

Features	▪ Good Dimensional Stability	▪ High Flow	
Uses	▪ Automotive Applications	▪ Automotive Interior Parts	▪ Automotive Interior Trim
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)	40 g/10 min	40 g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	52 cm ³ /10min	52 cm ³ /10min	ISO 1133
Density	1.05 g/cm ³	1.05 g/cm ³	ISO 1183

Mechanical	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Stress at Yield	3480 psi	24.0 MPa	ISO 527-2/50
Tensile Strain at Yield	2.6 %	2.6 %	ISO 527-2/50
Tensile Modulus - Secant	363000 psi	2500 MPa	ISO 527-2
Flexural Modulus - Secant	350000 psi	2410 MPa	ISO 178

Impact	Typical Value (English)	Typical Value (SI)	Test Based On
Charpy Notched Impact Strength 73°F (23°C), Complete Break	2.4 ft-lb/in ²	5.0 kJ/m ²	ISO 179

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Heat Deflection Temperature (1.80 MPa)	140 °F	60.0 °C	ISO 75-2/A
Heat Deflection Temperature (0.45 MPa)	223 °F	106 °C	ISO 75-2/B

