

Exxtral™ Performance Polyolefin HMU202

Polypropylene, Compounded (TPO)

Product Description

A specialty thermoplastic polyolefin resin, black colored, with high stiffness and low emissions for automotive HVAC and under-the-hood applications.

General

Features	▪ Good Dimensional Stability	▪ Low Emissions	
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)	9.0 g/10 min	9.0 g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	13 cm ³ /10min	13 cm ³ /10min	ISO 1133
Density	1.04 g/cm ³	1.04 g/cm ³	ISO 1183

Mechanical	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Stress at Yield	5080 psi	35.0 MPa	ISO 527-2/50
Tensile Strain at Yield	4.0 %	4.0 %	ISO 527-2/50
Tensile Modulus - Secant	450000 psi	3100 MPa	ISO 527-2
Flexural Modulus	473000 psi	3260 MPa	ISO 178

Impact	Typical Value (English)	Typical Value (SI)	Test Based On
Charpy Notched Impact Strength 73°F (23°C), Complete Break	1.4 ft-lb/in ²	3.0 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

