

Exxtral™ Performance Polyolefin HMU210

Polypropylene, Compounded (TPO)

Product Description

A specialty thermoplastic polyolefin resin with high stiffness for automotive HVAC and under-the-hood applications.

General

Features	▪ Good Dimensional Stability	▪ Heat Aging Resistant	
Uses	▪ Automotive Applications	▪ Automotive Interior Parts	▪ 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)	12 g/10 min	12 g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	14 cm ³ /10min	14 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	4890 psi	33.7 MPa	ISO 527-2/50
Tensile Strain at Yield	5.2 %	5.2 %	ISO 527-2/50
Tensile Modulus - Secant	422000 psi	2910 MPa	ISO 527-2
Flexural Modulus	426000 psi	2940 MPa	ISO 178

Impact	Typical Value (English)	Typical Value (SI)	Test Based On
Notched Izod Impact Strength 73°F (23°C), Complete Break	2.4 ft·lb/in ²	5.0 kJ/m ²	ISO 180/B
Charpy Notched Impact Strength 73°F (23°C), Complete Break	1.6 ft·lb/in ²	3.3 kJ/m ²	ISO 179

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Heat Deflection Temperature (1.80 MPa)	145 °F	63.0 °C	ISO 75-2/A
Heat Deflection Temperature (0.45 MPa)	241 °F	116 °C	ISO 75-2/B

