

Exxtra™ Performance Polyolefin BMU233

Polypropylene, Compounded (TPO)

Product Description

A specialty thermoplastic polyolefin resin designed for automotive exterior parts with high stiffness, high impact, good dimensional stability and good UV resistance

General

Features	- Good Creep Resistance - Good Dimensional Stability	- Good Impact Resistance - Good Weather Resistance	High Stiffness
Uses	Automotive Applications	Automotive Exterior Parts	Automotive Exterior Trim
Appearance	Colors Available		
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)	14 g/10 min	14 g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	1.01 in ³ /10min	16.5 cm ³ /10min	ISO 1133
Density	1.03 g/cm ³	1.03 g/cm ³	ISO 1183

Mechanical	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Stress at Yield	2610 psi	18.0 MPa	ISO 527-2/50
Tensile Stress at Break	2030 psi	14.0 MPa	ISO 527-2/50
Tensile Modulus - Secant (73°F (23°C))	244000 psi	1680 MPa	ISO 527-2
Flexural Modulus	274000 psi	1890 MPa	ISO 178

Impact	Typical Value (English)	Typical Value (SI)	Test Based On
Charpy Notched Impact Strength			ISO 179
-22°F (-30°C)	2.1 ft-lb/in ²	4.5 kJ/m ²	
-4°F (-20°C)	3.1 ft-lb/in ²	6.5 kJ/m ²	
32°F (0°C)	5.2 ft-lb/in ²	11 kJ/m ²	

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Heat Deflection Temperature (1.80 MPa)	122 °F	50.0 °C	ISO 75-2/A

