

Exxtra™ Performance Polyolefin BMU133

Polypropylene, Compounded (TPO)

Product Description

A specialty thermoplastic polyolefin resin characterized by a good stiffness/toughness balance and designed for paintable automotive exterior applications.

General

Features	- Balanced Stiffness/Toughness - Ductile	- High Impact Resistance - Low Temperature Impact Resistance	Paintable
Uses	- Automotive Applications - Automotive Bumper	- Automotive Exterior Parts - Automotive Exterior 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)	15 g/10 min	15 g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	1.16 in ³ /10min	19.0 cm ³ /10min	ISO 1133
Density	0.954 g/cm ³	0.954 g/cm ³	ISO 1183

Mechanical	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Stress at Yield	2570 psi	17.7 MPa	ISO 527-2/50
Tensile Stress at Break	2000 psi	13.8 MPa	ISO 527-2/50
Tensile Strain at Yield	3.5 %	3.5 %	ISO 527-2/50
Tensile Strain at Break	39 %	39 %	ISO 527-2/50
Tensile Modulus - Secant	199000 psi	1370 MPa	ISO 527-2

Impact	Typical Value (English)	Typical Value (SI)	Test Based On
Charpy Notched Impact Strength			ISO 179
-22°F (-30°C), Complete Break	2.6 ft-lb/in ²	5.4 kJ/m ²	
-4°F (-20°C), Complete Break	3.3 ft-lb/in ²	6.9 kJ/m ²	

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Heat Deflection Temperature (1.80 MPa)	120 °F	49.0 °C	ISO 75-2/A

