

Exxtral™ Performance Polyolefin BNU013

Polypropylene, Compounded (TPO)

Product Description

A specialty thermoplastic polyolefin resin characterized by a good impact resistance, high stiffness, good scratch and good surface finishing designed for automotive interior applications such as door panels. UV stabilized.

General

Features	- Balanced Stiffness/Toughness - Good Impact Resistance	- Good Processability - High Scratch Resistance	- High Stiffness - Medium Flow
Uses	Automotive Applications	Automotive Interior Parts	Automotive Interior Trim
Appearance	Natural Color		
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)	16 g/10 min	16 g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	22 cm³/10min	22 cm³/10min	ISO 1133
Density	0.900 g/cm³	0.900 g/cm³	ISO 1183

Mechanical	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Stress at Yield	2470 psi	17.0 MPa	ISO 527-2
Tensile Stress at Break	1890 psi	13.0 MPa	ISO 527-2
Tensile Strain at Yield	4.0 %	4.0 %	ISO 527-2
Tensile Modulus - Secant (73°F (23°C))	146000 psi	1010 MPa	ISO 527-2
Flexural Modulus	149000 psi	1030 MPa	ISO 178

Impact	Typical Value (English)	Typical Value (SI)	Test Based On
Charpy Notched Impact Strength			ISO 179
-4°F (-20°C), Complete Break	4.3 ft-lb/in²	9.0 kJ/m²	
32°F (0°C), Complete Break	6.2 ft-lb/in²	13 kJ/m²	
73°F (23°C), Complete Break	10 ft-lb/in²	21 kJ/m²	

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Heat Deflection Temperature (1.80 MPa)	113 °F	45.0 °C	ISO 75-2/A
Heat Deflection Temperature (0.45 MPa)	156 °F	69.0 °C	ISO 75-2/B

