

Exxtral™ Performance Polyolefin BNT010

Polypropylene, Compounded (TPO)

Product Description

A specialty thermoplastic polyolefin resin designed for automotive exterior painted parts such as bumper fascia.

General

Features	▪ Good Colorability ▪ Low Temperature Impact Resistance ▪ Paintable
Uses	▪ Automotive Applications ▪ Automotive Exterior Parts ▪ Automotive Exterior 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)	8.0 g/10 min	8.0 g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	11 cm ³ /10min	11 cm ³ /10min	ISO 1133
Density	0.900 g/cm ³	0.900 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 Strain at Yield	6.0 %	6.0 %	ISO 527-2/50
Tensile Modulus	139000 psi	960 MPa	ISO 527-2
Flexural Modulus - Secant	139000 psi	960 MPa	ISO 178

Impact	Typical Value (English)	Typical Value (SI)	Test Based On
Charpy Notched Impact Strength			ISO 179
-22°F (-30°C), Complete Break	4.6 ft·lb/in ²	9.6 kJ/m ²	
32°F (0°C), Complete Break	6.7 ft·lb/in ²	14 kJ/m ²	
73°F (23°C), Partial Break	30 ft·lb/in ²	62 kJ/m ²	

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Heat Deflection Temperature (1.80 MPa)	117 °F	47.0 °C	ISO 75-2/A

