

Exxtral™ Performance Polyolefin BNT013

Polypropylene Impact Copolymer

Product Description

A specialty thermoplastic polyolefin resin designed for injection molded automotive interior applications such as door panels. UV stabilized.

General

Availability ¹	▪ Africa & Middle East	▪ Europe	
Features	▪ Balanced Stiffness/Toughness	▪ Good Colorability	▪ High Impact Resistance
Uses	▪ Automotive Applications	▪ Automotive Door Panel	▪ Automotive Interior Trim
Appearance	▪ Colors Available		
Form(s)	▪ Pellets		
Processing Method	▪ Injection Molding		
Revision Date	▪ 12/17/2020		

Physical	Typical Value (English)	Typical Value (SI)	Test Based On
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.9 g/10 min	8.9 g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	12 cm ³ /10min	12 cm ³ /10min	ISO 1133
Density	0.905 g/cm ³	0.905 g/cm ³	ISO 1183

Mechanical	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Stress at Yield	2490 psi	17.2 MPa	ISO 527-2/50
Tensile Strain at Yield	4.5 %	4.5 %	ISO 527-2/50
Tensile Modulus - Secant (73°F (23°C))	137000 psi	945 MPa	ISO 527-1
Flexural Modulus - Secant	128000 psi	880 MPa	ISO 178

Impact	Typical Value (English)	Typical Value (SI)	Test Based On
Notched Izod Impact Strength			
-22°F (-30°C)	4.1 ft-lb/in ²	8.6 kJ/m ²	ISO 180
73°F (23°C)	26 ft-lb/in ²	55 kJ/m ²	ISO 180/1A
Charpy Notched Impact Strength			ISO 179
-22°F (-30°C), Complete Break	4.1 ft-lb/in ²	8.7 kJ/m ²	
73°F (23°C), Partial Break	31 ft-lb/in ²	66 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
Heat Deflection Temperature (0.45 MPa)	167 °F	75.0 °C	ISO 75-2/B

Legal Statement

This product is not intended for use in medical applications and should not be used in any such applications.

This product is not intended for use in food contact application.

Notes

Typical properties: these are not to be construed as specifications.

¹ Product may not be available in one or more countries in the identified Availability regions. Please contact your Sales Representative for complete Country Availability.

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