

Product Datasheet



Exxtral™ Performance Polyolefin BNT010

Polypropylene Impact Copolymer

Product Description

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

General

Availability ¹	- Africa & Middle East - Europe
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
Revision Date	11/25/2022

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 527-1
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

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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ExxonMobil**Exxtral™ Performance Polyolefin BNT010**
Polypropylene Impact CopolymerFor additional technical, sales and order assistance: www.exxonmobilchemical.com/ContactUs

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