

Exxtra™ Performance Polyolefin BNT010

Polypropylene, Compounded (TPO)

Product Description

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

General

Availability ¹	<ul style="list-style-type: none"> Africa & Middle East Asia Pacific 	<ul style="list-style-type: none"> Europe Latin America 	
Features	<ul style="list-style-type: none"> Balanced Stiffness/Toughness Ductile 	<ul style="list-style-type: none"> Good Colorability High Impact Resistance 	<ul style="list-style-type: none"> Low Temperature Impact Resistance Paintable
Uses	<ul style="list-style-type: none"> Automotive Applications 	<ul style="list-style-type: none"> Automotive Exterior Parts 	<ul style="list-style-type: none"> Automotive Exterior Trim
Appearance	<ul style="list-style-type: none"> Natural Color 		
Form(s)	<ul style="list-style-type: none"> Pellets 		
Processing Method	<ul style="list-style-type: none"> Injection Molding 		
Revision Date	<ul style="list-style-type: none"> 11/25/2014 		

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
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	2470 psi	17.0 MPa	ISO 527-2/50
Tensile Stress at Break	1890 psi	13.0 MPa	ISO 527-2/50
Tensile Strain at Yield	6.0 %	6.0 %	ISO 527-2/50
Tensile Strain at Break	> 50 %	> 50 %	ISO 527-2/50
Flexural Modulus - Secant	131000 psi	900 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	5.2 ft-lb/in ²	11 kJ/m ²	
32°F (0°C), Complete Break	7.1 ft-lb/in ²	15 kJ/m ²	
73°F (23°C), Partial Break	31 ft-lb/in ²	65 kJ/m ²	

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Heat Deflection Temperature (1.80 MPa)	111 °F	44.0 °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.

