

Product Datasheet



Exxtral™ Performance Polyolefin BNU013

Polypropylene Impact Copolymer

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

Availability ¹	- Africa & Middle East - Europe
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
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)	16 g/10 min	16 g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	22 cm ³ /10min	22 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	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 527-1
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/in ²	9.0 kJ/m ²	
32°F (0°C), Complete Break	6.2 ft-lb/in ²	13 kJ/m ²	
73°F (23°C), Complete Break	10 ft-lb/in ²	21 kJ/m ²	

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

Legal Statement

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

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

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 BNU013**
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