

Exxtra™ 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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