

Product Datasheet



Exxtral™ Performance Polyolefin BMU234

Polypropylene, Compounded (TPO)

Product Description

A specialty thermoplastic polyolefin resin designed for automotive exterior painted parts such as side protectors with high stiffness, high impact and good dimensional stability.

General

Availability ¹	▪ Africa & Middle East	▪ Europe
Features	▪ Creep Resistant ▪ Good Dimensional Stability	▪ Good Impact Resistance ▪ Paintable ▪ Ultra High Stiffness
Uses	▪ Automotive Applications	▪ Automotive Exterior Parts ▪ Automotive Exterior Trim
Appearance	▪ Colors Available	
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)	15 g/10 min	15 g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	16 cm ³ /10min	16 cm ³ /10min	ISO 1133
Density	1.02 g/cm ³	1.02 g/cm ³	ISO 1183

Mechanical	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Stress at Yield	2680 psi	18.5 MPa	ISO 527-2
Tensile Stress at Break	2090 psi	14.4 MPa	ISO 527-2
Tensile Strain at Yield	3.0 %	3.0 %	ISO 527-2
Tensile Modulus - Secant (73°F (23°C))	267000 psi	1840 MPa	ISO 527-1
Flexural Modulus	268000 psi	1850 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	2.1 ft-lb/in ²	4.5 kJ/m ²	
-4°F (-20°C), Complete Break	2.6 ft-lb/in ²	5.5 kJ/m ²	
32°F (0°C), Complete Break	3.5 ft-lb/in ²	7.3 kJ/m ²	

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Heat Deflection Temperature (1.80 MPa)	129 °F	54.0 °C	ISO 75-2/A
Heat Deflection Temperature (0.45 MPa)	207 °F	97.0 °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 BMU234**
Polypropylene, Compounded (TPO)For additional technical, sales and order assistance: www.exxonmobilchemical.com/ContactUs

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