

# Exxtra™ Performance Polyolefin BMU139

## Polypropylene, Compounded (TPO)

### Product Description

A specialty thermoplastic polyolefin resin characterized by a good stiffness/toughness balance for painted automotive exterior applications such as bumper fascia.

### General

Availability <sup>1</sup>	▪ Africa & Middle East	▪ Europe	
Features	▪ Balanced Stiffness/Toughness	▪ Ductile	▪ Low Temperature Impact Resistance
Uses	▪ Automotive Bumper	▪ Automotive Exterior Parts	▪ Automotive Exterior Trim
Appearance	▪ Black		
Form(s)	▪ Pellets		
Processing Method	▪ Injection Molding		
Revision Date	▪ 09/13/2019		

Physical	Typical Value (English)	Typical Value (SI)	Test Based On
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	13 g/10 min	13 g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	17 cm <sup>3</sup> /10min	17 cm <sup>3</sup> /10min	ISO 1133
Density	0.960 g/cm <sup>3</sup>	0.960 g/cm <sup>3</sup>	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 Strain at Yield	4.0 %	4.0 %	ISO 527-2/50
Tensile Modulus - Secant (73°F (23°C))	189000 psi	1300 MPa	ISO 527-2
Flexural Modulus	191000 psi	1320 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	3.3 ft·lb/in <sup>2</sup>	6.9 kJ/m <sup>2</sup>	
-4°F (-20°C), Complete Break	3.8 ft·lb/in <sup>2</sup>	8.0 kJ/m <sup>2</sup>	
32°F (0°C), Complete Break	8.6 ft·lb/in <sup>2</sup>	18 kJ/m <sup>2</sup>	

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Heat Deflection Temperature (1.80 MPa)	120 °F	49.0 °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.

<sup>1</sup> 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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For additional technical, sales and order assistance: [www.exxonmobilchemical.com/ContactUs](http://www.exxonmobilchemical.com/ContactUs)

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