

# Exxtra™ Performance Polyolefin CMU236

## Polypropylene, Compounded (TPO)

### Product Description

A specialty thermoplastic polyolefin resin designed for automotive interior covered applications such as retainers in which a good stiffness/toughness balance and low emissions are required.

### General

Availability <sup>1</sup>	<ul style="list-style-type: none"> <li>Africa &amp; Middle East</li> <li>Asia Pacific</li> </ul>	<ul style="list-style-type: none"> <li>Europe</li> <li>Latin America</li> </ul>	
Features	<ul style="list-style-type: none"> <li>Balanced Stiffness/Toughness</li> <li>Good Dimensional Stability</li> </ul>	<ul style="list-style-type: none"> <li>Low Emissions</li> <li>Low to No Fogging</li> </ul>	<ul style="list-style-type: none"> <li>Low to No Odor</li> <li>Medium Impact Resistance</li> </ul>
Uses	<ul style="list-style-type: none"> <li>Automotive Applications</li> <li>Automotive Interior Parts</li> </ul>	<ul style="list-style-type: none"> <li>Automotive Interior Trim</li> <li>Automotive Under the Hood</li> </ul>	
Appearance	<ul style="list-style-type: none"> <li>Black</li> </ul>		
Form(s)	<ul style="list-style-type: none"> <li>Pellets</li> </ul>		
Processing Method	<ul style="list-style-type: none"> <li>Injection Molding</li> </ul>		
Revision Date	<ul style="list-style-type: none"> <li>11/25/2014</li> </ul>		

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)	1.10 in <sup>3</sup> /10min	18.0 cm <sup>3</sup> /10min	ISO 1133
Density	1.05 g/cm <sup>3</sup>	1.05 g/cm <sup>3</sup>	ISO 1183

Mechanical	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Stress at Yield	3480 psi	24.0 MPa	ISO 527-2/50
Tensile Stress at Break	2470 psi	17.0 MPa	ISO 527-2/50
Tensile Strain at Yield	3.0 %	3.0 %	ISO 527-2/50
Tensile Strain at Break	30 %	30 %	ISO 527-2/50
Tensile Modulus - Secant (73°F (23°C))	351000 psi	2420 MPa	ISO 527-2

Impact	Typical Value (English)	Typical Value (SI)	Test Based On
Charpy Notched Impact Strength			ISO 179
32°F (0°C), Complete Break	1.7 ft·lb/in <sup>2</sup>	3.5 kJ/m <sup>2</sup>	
73°F (23°C), Complete Break	3.2 ft·lb/in <sup>2</sup>	6.7 kJ/m <sup>2</sup>	

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Heat Deflection Temperature (1.80 MPa)	136 °F	58.0 °C	ISO 75-2/A
Heat Deflection Temperature (0.45 MPa)	228 °F	109 °C	ISO 75-2/B

### 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.

