

# Exxtra™ Performance Polyolefin CNU015

## Polypropylene, Compounded (TPO)

### Product Description

A specialty thermoplastic polyolefin resin with good stiffness/toughness balance, low odor and emissions, designed for automotive interior applications.

### 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 Impact Resistance</li> </ul>	<ul style="list-style-type: none"> <li>Good Surface Finish</li> <li>Low Emissions</li> </ul>	<ul style="list-style-type: none"> <li>Low to No Fogging</li> <li>Non-Stick</li> </ul>
Uses	<ul style="list-style-type: none"> <li>Automotive Applications</li> </ul>	<ul style="list-style-type: none"> <li>Automotive Interior Parts</li> </ul>	<ul style="list-style-type: none"> <li>Automotive Interior Trim</li> </ul>
Appearance	<ul style="list-style-type: none"> <li>Natural Color</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>11/26/2014</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)	1.28 in <sup>3</sup> /10min	21.0 cm <sup>3</sup> /10min	ISO 1133
Density	0.910 g/cm <sup>3</sup>	0.910 g/cm <sup>3</sup>	ISO 1183

Mechanical	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Stress at Yield	3770 psi	26.0 MPa	ISO 527-2/50
Tensile Stress at Break	2470 psi	17.0 MPa	ISO 527-2/50
Tensile Strain at Yield	5.0 %	5.0 %	ISO 527-2/50
Tensile Strain at Break	70 %	70 %	ISO 527-2/50
Tensile Modulus - Secant	210000 psi	1450 MPa	ISO 527-2

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 <sup>2</sup>	4.5 kJ/m <sup>2</sup>	
32°F (0°C), Complete Break	3.1 ft-lb/in <sup>2</sup>	6.5 kJ/m <sup>2</sup>	
73°F (23°C), Complete Break	5.0 ft-lb/in <sup>2</sup>	11 kJ/m <sup>2</sup>	

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Heat Deflection Temperature (1.80 MPa)	126 °F	52.0 °C	ISO 75-2/A
Heat Deflection Temperature (0.45 MPa)	203 °F	95.0 °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.

<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.

