

# Exxtra™ Performance Polyolefin CNR012

## Polypropylene, Compounded (TPO)

### Product Description

A specialty thermoplastic polyolefin resin designed for injection molded automotive 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>Ductile</li> <li>Good Creep Resistance</li> </ul>	<ul style="list-style-type: none"> <li>Good Surface Finish</li> <li>High Impact Resistance</li> </ul>	<ul style="list-style-type: none"> <li>Low to No Fogging</li> </ul>
Uses	<ul style="list-style-type: none"> <li>Automotive Applications</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>11/26/2014</li> </ul>		

Physical	Typical Value (English)	Typical Value (SI)	Test Based On
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.0 g/10 min	4.0 g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	0.330 in <sup>3</sup> /10min	5.40 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	3340 psi	23.0 MPa	ISO 527-2/50
Tensile Strain at Yield	10 %	10 %	ISO 527-2/50
Tensile Strain at Break	> 400 %	> 400 %	ISO 527-2/50
Tensile Modulus - Secant	145000 psi	1000 MPa	ISO 527-2

Impact	Typical Value (English)	Typical Value (SI)	Test Based On
Charpy Notched Impact Strength			ISO 179
-4°F (-20°C)	2.1 ft-lb/in <sup>2</sup>	4.4 kJ/m <sup>2</sup>	
32°F (0°C)	3.1 ft-lb/in <sup>2</sup>	6.5 kJ/m <sup>2</sup>	
73°F (23°C)	7.6 ft-lb/in <sup>2</sup>	16 kJ/m <sup>2</sup>	

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Heat Deflection Temperature (1.80 MPa)	118 °F	48.0 °C	ISO 75-2/A
Heat Deflection Temperature (0.45 MPa)	171 °F	77.0 °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.

