

# 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>	▪ Africa & Middle East	▪ Europe	
Features	▪ Creep Resistant	▪ Good Surface Finish	▪ Medium Impact Resistance
Uses	▪ Automotive Applications		
Appearance	▪ Black		
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)	4.0 g/10 min	4.0 g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	5.4 cm <sup>3</sup> /10min	5.4 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	3410 psi	23.5 MPa	ISO 527-2/50
Tensile Strain at Yield	8.7 %	8.7 %	ISO 527-2/50
Tensile Modulus - Secant	154000 psi	1060 MPa	ISO 527-1
Flexural Modulus	151000 psi	1040 MPa	ISO 178

Impact	Typical Value (English)	Typical Value (SI)	Test Based On
Charpy Notched Impact Strength			ISO 179
-4°F (-20°C), Complete Break	2.3 ft·lb/in <sup>2</sup>	4.8 kJ/m <sup>2</sup>	
32°F (0°C), Complete Break	3.5 ft·lb/in <sup>2</sup>	7.4 kJ/m <sup>2</sup>	
73°F (23°C), Complete Break	7.1 ft·lb/in <sup>2</sup>	15 kJ/m <sup>2</sup>	

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Heat Deflection Temperature (1.80 MPa)	117 °F	47.0 °C	ISO 75-2/A
Heat Deflection Temperature (0.45 MPa)	165 °F	74.0 °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.

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

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