

Exxtral™ Performance Polyolefin CNU013

Polypropylene, Compounded (TPO)

Product Description

A specialty thermoplastic polyolefin resin with good UV resistance designed for automotive exterior applications.

General

Features	- Balanced Stiffness/Toughness - Good Impact Resistance	- Low Emissions - Low Fogging	- Low Odor - UV Resistant
Uses	Automotive Applications	Automotive Exterior Parts	Automotive Exterior Trim
Appearance	Black		
Form(s)	Pellets		
Processing Method	Injection Molding		

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)	21 cm ³ /10min	21 cm ³ /10min	ISO 1133
Density	0.910 g/cm ³	0.910 g/cm ³	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	5.5 %	5.5 %	ISO 527-2/50
Tensile Strain at Break	> 50 %	> 50 %	ISO 527-2/50
Tensile Modulus - Secant	160000 psi	1100 MPa	ISO 527-2

Impact	Typical Value (English)	Typical Value (SI)	Test Based On
Charpy Notched Impact Strength			ISO 179
-4°F (-20°C), Complete Break	2.4 ft-lb/in ²	5.0 kJ/m ²	
32°F (0°C), Complete Break	3.2 ft-lb/in ²	6.8 kJ/m ²	
73°F (23°C), Complete Break	5.2 ft-lb/in ²	11 kJ/m ²	

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)	172 °F	78.0 °C	ISO 75-2/B

