

Exxtral™ Performance Polyolefin CNU012

Polypropylene, Compounded (TPO)

Product Description

A specialty thermoplastic polyolefin resin designed for injection molded automotive applications.

General

Features	- Balanced Stiffness/Toughness - Good Impact Resistance
Uses	- Automotive Applications - Automotive Interior Trim - Automotive Interior Parts - Automotive Under the Hood
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	0.915 g/cm ³	0.915 g/cm ³	ISO 1183

Mechanical	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Stress at Yield	3380 psi	23.3 MPa	ISO 527-2/50
Tensile Strain at Yield	5.1 %	5.1 %	ISO 527-2/50
Tensile Modulus - Secant	180000 psi	1240 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	2.6 ft·lb/in ²	5.4 kJ/m ²	
73°F (23°C), Complete Break	4.5 ft·lb/in ²	9.5 kJ/m ²	

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Heat Deflection Temperature (1.80 MPa)	122 °F	50.0 °C	ISO 75-2/A

