

Exxtral™ 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. UV stabilized.

General

Features	- Balanced Stiffness/Toughness - Good Impact Resistance	- Good Surface Finish - Low Emissions	- Low Fogging - Non-Stick
Uses	Automotive Applications	Automotive Interior Parts	Automotive Interior Trim
Appearance	Colors Available		
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)	14 g/10 min	14 g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	19 cm ³ /10min	19 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	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 ²	4.5 kJ/m ²	
32°F (0°C), Complete Break	3.1 ft·lb/in ²	6.5 kJ/m ²	
73°F (23°C), Complete Break	5.0 ft·lb/in ²	11 kJ/m ²	

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

