

Exxtral™ Performance Polyolefin CNU017

Polypropylene, Compounded (TPO)

Product Description

A specialty thermoplastic polyolefin resin characterized by high flow, high stiffness, low odor and low emissions that is typically used automotive air conditioning units.

General

Features	▪ Balanced Stiffness/Toughness	▪ Good Impact Resistance	▪ Good Surface Finish
Uses	▪ Automotive Applications	▪ 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)	15 g/10 min	15 g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	20 cm ³ /10min	20 cm ³ /10min	ISO 1133
Density	0.911 g/cm ³	0.911 g/cm ³	ISO 1183

Mechanical	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Stress at Yield	4500 psi	31.0 MPa	ISO 527-2/50
Tensile Strain at Yield	4.4 %	4.4 %	ISO 527-2/50
Tensile Modulus - Secant	261000 psi	1800 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	1.7 ft·lb/in ²	3.5 kJ/m ²	
73°F (23°C), Complete Break	2.7 ft·lb/in ²	5.7 kJ/m ²	

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Heat Deflection Temperature (1.80 MPa)	133 °F	56.0 °C	ISO 75-2/A
Heat Deflection Temperature (0.45 MPa)	221 °F	105 °C	ISO 75-2/B

