

Exxtra™ Performance Polyolefin CNW010

Polypropylene, Compounded (TPO)

Product Description

A specialty thermoplastic polyolefin resin designed for injection molded automotive interior trim applications requiring low warpage.

General

Features	▪ Good Surface Finish	▪ High Flow	▪ Low to No Fogging
Uses	▪ Automotive Applications ▪ Automotive Interior Parts	▪ Automotive Interior Trim ▪ Consumer Applications	
Appearance	▪ Natural Color		
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)	38 g/10 min	38 g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	3.17 in ³ /10min	52.0 cm ³ /10min	ISO 1133
Density	0.900 g/cm ³	0.900 g/cm ³	ISO 1183

Mechanical	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Stress at Yield	3340 psi	23.0 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	22 %	22 %	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
32°F (0°C), Complete Break	2.6 ft-lb/in ²	5.5 kJ/m ²	
73°F (23°C), Complete Break	4.3 ft-lb/in ²	9.0 kJ/m ²	

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Heat Deflection Temperature (1.80 MPa)	124 °F	51.0 °C	ISO 75-2/A
Heat Deflection Temperature (0.45 MPa)	180 °F	82.0 °C	ISO 75-2/B

