

Exxtral™ Performance Polyolefin CMU101

Polypropylene, Compounded (TPO)

Product Description

A specialty thermoplastic polyolefin resin designed for automotive interior trim in which good surface finish, high scratch resistance and good UV resistance are required.

General

Features	▪ Balanced Stiffness/Toughness	▪ Good Mold Release	▪ Good Surface Finish
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)	11 g/10 min	11 g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	0.854 in ³ /10min	14.0 cm ³ /10min	ISO 1133
Density	0.970 g/cm ³	0.970 g/cm ³	ISO 1183

Mechanical	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Stress at Yield	3920 psi	27.0 MPa	ISO 527-2/50
Tensile Stress at Break	2610 psi	18.0 MPa	ISO 527-2/50
Tensile Strain at Yield	4.0 %	4.0 %	ISO 527-2/50
Tensile Strain at Break	35 %	35 %	ISO 527-2/50
Tensile Modulus - Secant	284000 psi	1960 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	1.9 ft-lb/in ²	4.0 kJ/m ²	
73°F (23°C), Complete Break	3.9 ft-lb/in ²	8.3 kJ/m ²	

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Heat Deflection Temperature (1.80 MPa)	135 °F	57.0 °C	ISO 75-2/A
Heat Deflection Temperature (0.45 MPa)	212 °F	100 °C	ISO 75-2/B

