

Exxtra™ Performance Polyolefin CMU101D

Polypropylene, Compounded (TPO)

Product Description

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

General

Availability ¹	▪ Africa & Middle East	▪ Europe	
Features	▪ Balanced Stiffness/Toughness	▪ Good Mold Release	▪ Good Surface Finish
Uses	▪ Automotive Interior Parts	▪ Automotive Interior Trim	
Appearance	▪ Colors Available		
Form(s)	▪ Pellets		
Processing Method	▪ Injection Molding		
Revision Date	▪ 10/31/2014		

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

Legal Statement

This product is not intended for use in medical applications and should not be used in any such applications.

This product is not intended for use in food contact application.

Notes

Typical properties: these are not to be construed as specifications.

¹ Product may not be available in one or more countries in the identified Availability regions. Please contact your Sales Representative for complete Country Availability.

