ExxonMobil

PRELIMINARY DATA SHEET
Exxtral™ Performance Polyolefin BMU143N
Polypropylene, Compounded (TPO)

Product Description

A specialty thermoplastic polyolefin resin characterized by a good stiffness/toughness balance and designed for automotive interior application in which good surface finish, high scratch resistance, non-tacky and good UV resistance are required.

General

Availability [1]	▪ Africa & Middle East	▪ Europe	
Features	▪ Good Surface Finish ▪ High Impact Resistance	▪ High Scratch Resistance ▪ Non-sticky	
Applications	▪ Interior General Purpose		
Uses	▪ Automotive Instrument Panel	▪ Automotive Interior Parts	▪ Automotive Interior Trim
Appearance	▪ Colors Available		
Form(s)	▪ Pellets		
Processing Method	▪ Injection Molding		
Revision Date	▪ 07/22/2020		

Physical	Typical Value (English)		Typical Value (SI)		Test Based On
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	12	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR)	15	cm^3/10min	15	cm^3/10min	ISO 1133
Density	1.01	g/cm^3	1.01	g/cm^3	ISO 1183

Mechanical	Typical Value (English)		Typical Value (SI)		Test Based On
Tensile Stress at Yield	2970	psi	20.5	MPa	ISO 527-2
Tensile Strain at Yield	3.6	%	3.6	%	ISO 527-2
Tensile Modulus - Secant (73°F (23°C))	254000	psi	1750	MPa	ISO 527-1
Flexural Modulus	267000	psi	1840	MPa	ISO 178

Impact	Typical Value (English)		Typical Value (SI)		Test Based On
Charpy Notched Impact Strength					ISO 179
-4°F (-20°C), Complete Break	2.6	$ft{\cdot}lb/in^2$	5.5	kJ/m^2	
32°F (0°C), Complete Break	4.0	$ft{\cdot}lb/in^2$	8.5	kJ/m^2	
73°F (23°C), Partial Break	7.6	$ft{\cdot}lb/in^2$	16	kJ/m^2	

Thermal	Typical Value (English)		Typical Value (SI)		Test Based On
Heat Deflection Temperature (1.80 MPa)	127	°F	53.0	°C	ISO 75-2/A
Heat Deflection Temperature (0.45 MPa)	203	°F	95.0	°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.

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For additional technical, sales and order assistance: www.exxonmobilchemical.com/ContactUs

Product values shown are provisional and may change during the development process. Data contained herein was prepared pursuant to ExxonMobil's sampling and testing procedures in effect at the time the experimental product was produced.

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