ExxonMobil

Exxtral™ Performance Polyolefin BMU130
Polypropylene, Compounded (TPO)

Product Description

A speciality thermoplastic polyolefin resin characterized by a good stiffness/toughness balance for automotive exterior applications such as bumper fascia.

General

Availability [1]	▪ Europe		
Features	▪ Balanced Stiffness/Toughness ▪ Ductile	▪ Good UV Resistance ▪ Good Weather Resistance	▪ High Impact Resistance ▪ Low Temperature Impact Resistance
Uses	▪ Automotive Bumper	▪ Automotive Exterior Parts	▪ Automotive Exterior Trim
Appearance	▪ Colors Available		
Form(s)	▪ Pellets		
Processing Method	▪ Injection Molding		
Revision Date	▪ 01/01/2012		

Physical	Typical Value	(English)	Typical Value	(SI)	Test Based On
Melt Volume-Flow Rate (MVR)	1.16	in³/10min	19.0	cm³/10min	ISO 1133
Density	0.980	g/cm³	0.980	g/cm³	ISO 1183

Mechanical	Typical Value	(English)	Typical Value	(SI)	Test Based On
Tensile Stress at Yield	2190	psi	15.1	MPa	ISO 527-2
Tensile Stress at Break	1680	psi	11.6	MPa	ISO 527-2
Tensile Strain at Yield	4.3	%	4.3	%	ISO 527-2
Tensile Strain at Break	79	%	79	%	ISO 527-2
Tensile Modulus - Secant (73°F (23°C))	174000	psi	1200	MPa	ISO 527-2

Impact	Typical Value	(English)	Typical Value	(SI)	Test Based On
Charpy Notched Impact Strength					ISO 179
–22°F (–30°C), Complete Break	3.8	ft·lb/in²	8.0	kJ/m²	
–4°F (–20°C), Complete Break	5.2	ft·lb/in²	11	kJ/m²	
73°F (23°C), Partial Break	31	ft·lb/in²	65	kJ/m²	

Thermal	Typical Value	(English)	Typical Value	(SI)	Test Based On
Heat Deflection Temperature (1.80 MPa)	117	°F	47.0	°C	ISO 75-2/A

Legal Statement

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

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

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.