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

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		

Physical	Typical Value (English)		Typical Value (SI)		Test Based On
Melt Volume-Flow Rate (MVR)	1.16	in^3/10min	19.0	cm^3/10min	ISO 1133
Density	0.980	g/cm^3	0.980	g/cm^3	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	$ft·lb/in^2$	8.0	kJ/m^2	
-4°F (-20°C), Complete Break	5.2	$ft·lb/in^2$	11	kJ/m^2	
73°F (23°C), Partial Break	31	$ft·lb/in^2$	65	kJ/m^2	

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