ExxonMobil

Exxtral™ Performance Polyolefin BMV215

Polypropylene, Compounded (TPO)

Product Description

A speciality thermoplastic polyolefin resin characterized by a good stiffness/toughness balance and designed for automotive interor applications in which high sctrach resistance, low emissions and good UV resistance are required. It exhibits non-tacky behavior when simultaneously exposed to UV radiance at high temperatures.

General

Features	▪ High Flow	▪ High Impact Resistance	▪ High Stiffness
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 Mass-Flow Rate (MFR)	32	g/10 min	32	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR)	2.32	in³/10min	38.0	cm³/10min	ISO 1133
Density	1.01	g/cm³	1.01	g/cm³	ISO 1183

Mechanical	Typical Value (English)		Typical Value (SI)		Test Based On
Tensile Stress at Yield	2440	psi	16.8	MPa	ISO 527-2
Tensile Modulus - Secant (73°F (23°C))	220000	psi	1520	MPa	ISO 527-2
Flexural Modulus	242000	psi	1670	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	3.6	ft·lb/in²	7.5	kJ/m²	

Thermal	Typical Value (English)		Typical Value (SI)		Test Based On
Heat Deflection Temperature (1.80 MPa)	122	°F	50.2	°C	ISO 75-2/A
HDT B (0.45 MPa) Annealed	219	°F	104	°C	ISO 75-2/B