

Product Datasheet



Exxtral™ Performance Polyolefin BMV214

Polypropylene, Compounded (TPO)

Product Description

A speciality thermoplastic polyolefin resin characterized by a good stiffness/toughness balance, good surface finishing, UV resistance, designed for automotive exterior applications.

General

Availability ¹	▪ Africa & Middle East	▪ Europe
Features	▪ Good Dimensional Stability	▪ Good Flow
Applications	▪ Cladding & Body Side Moldings	
Uses	▪ Automotive Exterior Parts	
Appearance	▪ Black	
Form(s)	▪ Pellets	
Processing Method	▪ Injection Molding	

Physical	Typical Value (English)	Typical Value (SI)	Test Based On
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20 g/10 min	20 g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	25 cm ³ /10min	25 cm ³ /10min	ISO 1133
Density	1.04 g/cm ³	1.04 g/cm ³	ISO 1183

Mechanical	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Stress at Yield	2390 psi	16.5 MPa	ISO 527-2/50
Tensile Strain at Yield	3.2 %	3.2 %	ISO 527-2/50
Tensile Modulus - Secant (73°F (23°C))	232000 psi	1600 MPa	ISO 527-1
Flexural Modulus	236000 psi	1630 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	2.9 ft-lb/in ²	6.1 kJ/m ²	
32°F (0°C), Complete Break	5.1 ft-lb/in ²	11 kJ/m ²	

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Heat Deflection Temperature (1.80 MPa)	120 °F	49.0 °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.

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ExxonMobil**Exxtral™ Performance Polyolefin BMV214**
Polypropylene, Compounded (TPO)For additional technical, sales and order assistance: www.exxonmobilchemical.com/ContactUs

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