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.

ExxonMobil

Exxtral™ Performance Polyolefin BMV214
Polypropylene, Compounded (TPO)

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

©2024 ExxonMobil. ExxonMobil, the ExxonMobil logo, the interlocking "X" device and other product or service names used herein are trademarks of ExxonMobil, unless indicated otherwise. This document may not be distributed, displayed, copied or altered without ExxonMobil's prior written authorization. To the extent ExxonMobil authorizes distributing, displaying and/or copying of this document, the user may do so only if the document is unaltered and complete, including all of its headers, footers, disclaimers and other information. You may not copy this document to or reproduce it in whole or in part on a website. ExxonMobil does not guarantee the typical (or other) values. Any data included herein is based upon analysis of representative samples and not the actual product shipped. The information in this document relates only to the named product or materials when not in combination with any other product or materials. We based the information on data believed to be reliable on the date compiled, but we do not represent, warrant, or otherwise guarantee, expressly or impliedly, the merchantability, fitness for a particular purpose, freedom from patent infringement, suitability, accuracy, reliability, or completeness of this information or the products, materials or processes described. The user is solely responsible for all determinations regarding any use of material or product and any process in its territories of interest. We expressly disclaim liability for any loss, damage or injury directly or indirectly suffered or incurred as a result of or related to anyone using or relying on any of the information in this document. This document is not an endorsement of any non-ExxonMobil product or process, and we expressly disclaim any contrary implication. The terms "we," "our," "ExxonMobil Product Solutions" and "ExxonMobil" are each used for convenience, and may include any one or more of ExxonMobil Product Solutions Company, Exxon Mobil Corporation, or any affiliate either directly or indirectly stewarded.

exxonmobilchemical.com