

Exxtral™ Performance Polyolefin HMU216

Polypropylene, Compounded (TPO)

Product Description

A specialty thermoplastic polyolefin resin characterized by high stiffness and designed for automotive exterior applications in which good surface finish and good UV resistance are required.

General

Availability ¹	<ul style="list-style-type: none"> Africa & Middle East Europe
Features	<ul style="list-style-type: none"> Good Dimensional Stability Good Surface Finish Good Weather Resistance
Uses	<ul style="list-style-type: none"> Automotive Applications Automotive Exterior Parts Automotive Exterior Trim
Appearance	<ul style="list-style-type: none"> Colors Available
Form(s)	<ul style="list-style-type: none"> Pellets
Processing Method	<ul style="list-style-type: none"> Injection Molding
Revision Date	<ul style="list-style-type: none"> 12/17/2020

Physical	Typical Value (English)	Typical Value (SI)	Test Based On
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12 g/10 min	12 g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	14 cm ³ /10min	14 cm ³ /10min	ISO 1133
Density	1.05 g/cm ³	1.05 g/cm ³	ISO 1183

Mechanical	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Stress at Yield	4930 psi	34.0 MPa	ISO 527-2/50
Tensile Strain at Yield	4.2 %	4.2 %	ISO 527-2/50
Tensile Modulus - Secant	424000 psi	2920 MPa	ISO 527-1
Flexural Modulus - Secant	421000 psi	2900 MPa	ISO 178

Impact	Typical Value (English)	Typical Value (SI)	Test Based On
Charpy Notched Impact Strength 73°F (23°C), Complete Break	1.2 ft-lb/in ²	2.6 kJ/m ²	ISO 179

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Heat Deflection Temperature (1.80 MPa)	149 °F	65.0 °C	ISO 75-2/A
Heat Deflection Temperature (0.45 MPa)	239 °F	115 °C	ISO 75-2/B

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

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