ExxonMobil

Exxtral™ Performance Polyolefin HMU210

Polypropylene, Compounded (TPO)

Product Description

A specialty thermoplastic polyolefin resin with high stiffness for automotive HVAC and under-the-hood applications.

General

Availability [1]	▪ Africa & Middle East	▪ Europe	
Features	▪ Good Dimensional Stability	▪ Heat Aging Resistant	
Uses	▪ Automotive Applications	▪ Automotive Interior Parts	▪ Automotive Under the Hood
Appearance	▪ Black		
Form(s)	▪ Pellets		
Processing Method	▪ Injection Molding		
Revision Date	▪ 11/25/2022		

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	4890	psi	33.7	MPa	ISO 527-2/50
Tensile Strain at Yield	5.2	%	5.2	%	ISO 527-2/50
Tensile Modulus - Secant	392000	psi	2700	MPa	ISO 527-1
Flexural Modulus	426000	psi	2940	MPa	ISO 178

Impact	Typical Value (English)		Typical Value (SI)		Test Based On
Notched Izod Impact Strength					ISO 180/B
73°F (23°C), Complete Break	2.4	ft·lb/in^2	5.0	kJ/m^2	
Charpy Notched Impact Strength					ISO 179
73°F (23°C), Complete Break	1.6	ft·lb/in^2	3.3	kJ/m^2	

Thermal	Typical Value (English)		Typical Value (SI)		Test Based On
Heat Deflection Temperature (1.80 MPa)	145	°F	63.0	°C	ISO 75-2/A
Heat Deflection Temperature (0.45 MPa)	241	°F	116	°C	ISO 75-2/B

Additional Information

Unless otherwise specified herein: data were prepared pursuant to ExxonMobil's sampling and testing procedures in effect at time of production; and applicable sampling and testing methods are available upon request. Values may result from interpolation or correlation of other data. Sampling and testing methods are subject to change without notice unless otherwise agreed in writing.

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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