

Exxtral™ Performance Polyolefin HMU208

Polypropylene, Compounded (TPO)

Product Description

A specialty thermoplastic polyolefin resin, black colored, with high stiffness and release agent for automotive HVAC and under-the-hood applications.

General

Availability ¹	- Africa & Middle East - Asia Pacific	- Europe - North America	South America
Features	Good Dimensional Stability	Good Mold Release	Ultra High Stiffness
Uses	- Automotive Applications - Automotive Exterior Parts	- Automotive Exterior Trim - Automotive Interior Parts	- Automotive Under the Hood - Compounding
Automotive Specifications	- FORD WSS-M4D729-A2 - OPEL QK 003811	- PSA Peugeot-Citroën PP0005 PP-TD20 - RENAULT UB02C P/E-TD20	
Appearance	Black		
Form(s)	Pellets		
Processing Method	Injection Molding		
Revision Date	March 2010		

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)	0.854 in ³ /10min	14.0 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 Stress at Break	3920 psi	27.0 MPa	ISO 527-2/50
Tensile Strain at Yield	4.0 %	4.0 %	ISO 527-2/50
Tensile Strain at Break	19 %	19 %	ISO 527-2/50
Tensile Modulus - Secant	421000 psi	2900 MPa	ISO 527-2

Impact	Typical Value (English)	Typical Value (SI)	Test Based On
Charpy Unnotched Impact Strength 73°F (23°C)	17 ft-lb/in ²	35 kJ/m ²	ISO 179/1eU
Charpy Notched Impact Strength 73°F (23°C), Complete Break	1.4 ft-lb/in ²	2.9 kJ/m ²	ISO 179

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Heat Deflection Temperature (1.80 MPa)	147 °F	64.0 °C	ISO 75-2/A
Heat Deflection Temperature (0.45 MPa)	248 °F	120 °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.

Typical properties: these are not to be construed as specifications.

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Notes

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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