

Exxtral™ Performance Polyolefin HMU234

Polypropylene, Compounded (TPO)

Product Description

A specialty thermoplastic polyolefin resin, black colored, with high stiffness, high heat stabilization, low emissions and low odor for automotive HVAC and under-the-hood applications.

General

| | | | |
|---------------------------|------------------------------|-----------------------------|-----------------------------|
| Availability ¹ | ▪ Africa & Middle East | ▪ Europe | |
| Features | ▪ Good Dimensional Stability | ▪ High Stiffness | ▪ Low Emissions |
| 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) | 11 g/10 min | 11 g/10 min | ISO 1133 |
| Melt Volume-Flow Rate (MVR) (230°C/2.16 kg) | 13 cm ³ /10min | 13 cm ³ /10min | ISO 1133 |
| Density | 1.07 g/cm ³ | 1.07 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 | 4.0 % | 4.0 % | ISO 527-2/50 |
| Tensile Modulus - Secant | 464000 psi | 3200 MPa | ISO 527-1 |
| Flexural Modulus | 500000 psi | 3450 MPa | ISO 178 |

| Impact | Typical Value (English) | Typical Value (SI) | Test Based On |
|---|---------------------------|-----------------------|---------------|
| Charpy Notched Impact Strength 73°F (23°C), Complete Break | 1.6 ft-lb/in ² | 3.4 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 |

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 medical applications and should not be used in any such applications.

This product is not intended for use in food contact application.

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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