

Exxtra™ 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 | ▪ Europe | |
| Features | ▪ Good Dimensional Stability | ▪ Good Mold Release | ▪ Ultra High Stiffness |
| Uses | ▪ Automotive Applications | ▪ Automotive Exterior Trim | ▪ Automotive Under the Hood |
| Appearance | ▪ Black | | |
| Form(s) | ▪ Pellets | | |
| Processing Method | ▪ Injection Molding | | |
| Revision Date | ▪ 09/13/2019 | | |

| 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 | 1.06 g/cm ³ | 1.06 g/cm ³ | ISO 1183 |

| Mechanical | Typical Value (English) | Typical Value (SI) | Test Based On |
|--------------------------|-------------------------|--------------------|---------------|
| Tensile Stress at Yield | 5000 psi | 34.5 MPa | ISO 527-2/50 |
| Tensile Strain at Yield | 4.0 % | 4.0 % | ISO 527-2/50 |
| Tensile Modulus - Secant | 442000 psi | 3050 MPa | ISO 527-2 |
| Flexural Modulus | 441000 psi | 3040 MPa | ISO 178 |

| Impact | Typical Value (English) | Typical Value (SI) | Test Based On |
|---|---------------------------|-----------------------|---------------|
| Charpy Notched Impact Strength 73°F (23°C), Complete Break | 1.5 ft-lb/in ² | 3.1 kJ/m ² | ISO 179 |

| 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) | 244 °F | 118 °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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