

Exxtra™ 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 | ▪ Africa & Middle East | ▪ Europe | |
| Features | ▪ Good Dimensional Stability | ▪ Good Surface Finish | ▪ Good Weather Resistance |
| Uses | ▪ Automotive Applications | ▪ Automotive Exterior Parts | ▪ Automotive Exterior Trim |
| Appearance | ▪ Colors Available | | |
| Form(s) | ▪ Pellets | | |
| Processing Method | ▪ Injection Molding | | |
| Revision Date | ▪ 10/31/2014 | | |

| 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 | 3770 psi | 26.0 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 527-2 |
| 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.

