

Exxtra™ Performance Polyolefin CMV101A

Polypropylene, Compounded (TPO)

Product Description

A specialty thermoplastic polyolefin resin characterized by a good stiffness/toughness balance and designed for automotive interior trim applications. UV stabilized.

General

| | |
|---------------------------|--|
| Availability ¹ | <ul style="list-style-type: none"> Africa & Middle East Europe |
| Features | <ul style="list-style-type: none"> Good Flow Good Processability |
| Uses | <ul style="list-style-type: none"> Automotive Interior Trim |
| Appearance | <ul style="list-style-type: none"> Colors Available |
| Form(s) | <ul style="list-style-type: none"> Pellets |
| Processing Method | <ul style="list-style-type: none"> Injection Molding |
| Revision Date | <ul style="list-style-type: none"> 09/21/2022 |

| Physical | Typical Value (English) | Typical Value (SI) | Test Based On |
|---|---------------------------|---------------------------|---------------|
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 28 g/10 min | 28 g/10 min | ISO 1133 |
| Melt Volume-Flow Rate (MVR) (230°C/2.16 kg) | 35 cm ³ /10min | 35 cm ³ /10min | ISO 1133 |
| Density | 0.970 g/cm ³ | 0.970 g/cm ³ | ISO 1183 |

| Mechanical | Typical Value (English) | Typical Value (SI) | Test Based On |
|--------------------------|-------------------------|--------------------|---------------|
| Tensile Stress at Yield | 3710 psi | 25.6 MPa | ISO 527-2/50 |
| Tensile Strain at Yield | 3.6 % | 3.6 % | ISO 527-2 |
| Tensile Modulus - Secant | 274000 psi | 1890 MPa | ISO 527-1 |
| Flexural Modulus | 264000 psi | 1820 MPa | ISO 178 |

| Impact | Typical Value (English) | Typical Value (SI) | Test Based On |
|---|---------------------------|-----------------------|---------------|
| Notched Izod Impact Strength 73°F (23°C), Complete Break | 2.6 ft-lb/in ² | 5.4 kJ/m ² | ISO 180/A |
| Charpy Notched Impact Strength 73°F (23°C), Complete Break | 2.9 ft-lb/in ² | 6.1 kJ/m ² | ISO 179 |

| Thermal | Typical Value (English) | Typical Value (SI) | Test Based On |
|--|-------------------------|--------------------|---------------|
| Heat Deflection Temperature (1.80 MPa) | 131 °F | 55.0 °C | ISO 75-2/A |
| Heat Deflection Temperature (0.45 MPa) | 219 °F | 104 °C | ISO 75-2/B |

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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