

## Product Datasheet



# Exxtral™ Performance Polyolefin CMW203

## Polypropylene, Compounded (TPO)

### Product Description

A specialty thermoplastic polyolefin resin characterized by very high flow and designed for automotive interior applications such as door panel linings and other low pressure back molding applications.

### General

|                           |                              |                             |                            |
|---------------------------|------------------------------|-----------------------------|----------------------------|
| Availability <sup>1</sup> | ▪ Africa & Middle East       | ▪ Europe                    |                            |
| Features                  | ▪ Good Dimensional Stability | ▪ High Flow                 |                            |
| Uses                      | ▪ Automotive Applications    | ▪ Automotive Interior Parts | ▪ Automotive Interior Trim |
| Appearance                | ▪ Black                      |                             |                            |
| Form(s)                   | ▪ Pellets                    |                             |                            |
| Processing Method         | ▪ Injection Molding          |                             |                            |
| Revision Date             | ▪ 12/17/2020                 |                             |                            |

| Physical                                    | Typical Value (English)   | Typical Value (SI)        | Test Based On |
|---------------------------------------------|---------------------------|---------------------------|---------------|
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)   | 40 g/10 min               | 40 g/10 min               | ISO 1133      |
| Melt Volume-Flow Rate (MVR) (230°C/2.16 kg) | 52 cm <sup>3</sup> /10min | 52 cm <sup>3</sup> /10min | ISO 1133      |
| Density                                     | 1.05 g/cm <sup>3</sup>    | 1.05 g/cm <sup>3</sup>    | ISO 1183      |

| Mechanical                | Typical Value (English) | Typical Value (SI) | Test Based On |
|---------------------------|-------------------------|--------------------|---------------|
| Tensile Stress at Yield   | 3480 psi                | 24.0 MPa           | ISO 527-2/50  |
| Tensile Strain at Yield   | 2.6 %                   | 2.6 %              | ISO 527-2/50  |
| Tensile Modulus - Secant  | 363000 psi              | 2500 MPa           | ISO 527-1     |
| Flexural Modulus - Secant | 350000 psi              | 2410 MPa           | ISO 178       |

| Impact                                                        | Typical Value (English)   | Typical Value (SI)    | Test Based On |
|---------------------------------------------------------------|---------------------------|-----------------------|---------------|
| Charpy Notched Impact Strength<br>73°F (23°C), Complete Break | 2.4 ft-lb/in <sup>2</sup> | 5.0 kJ/m <sup>2</sup> | ISO 179       |

| Thermal                                | Typical Value (English) | Typical Value (SI) | Test Based On |
|----------------------------------------|-------------------------|--------------------|---------------|
| Heat Deflection Temperature (1.80 MPa) | 140 °F                  | 60.0 °C            | ISO 75-2/A    |
| Heat Deflection Temperature (0.45 MPa) | 223 °F                  | 106 °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.

<sup>1</sup> 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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**ExxonMobil****Exxtral™ Performance Polyolefin CMW203**  
Polypropylene, Compounded (TPO)For additional technical, sales and order assistance: [www.exxonmobilchemical.com/ContactUs](http://www.exxonmobilchemical.com/ContactUs)

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