

Exxtra™ Performance Polyolefin CMN303

Polypropylene, Compounded (TPO)

Product Description

A specialty thermoplastic polyolefin resin designed for high heat ageing resistance for automotive interior trim applications such as instrument panels.

General

Availability ¹	<ul style="list-style-type: none"> Africa & Middle East Asia Pacific 	<ul style="list-style-type: none"> Europe Latin America 	
Features	<ul style="list-style-type: none"> Good Creep Resistance Good Dimensional Stability 	<ul style="list-style-type: none"> Good Impact Resistance Good Mold Release 	<ul style="list-style-type: none"> Low Emissions Low to No Fogging
Uses	<ul style="list-style-type: none"> Automotive Applications Automotive Interior Parts 	<ul style="list-style-type: none"> Automotive Interior Trim Automotive Under the Hood 	
Appearance	<ul style="list-style-type: none"> Black 		
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"> 11/25/2014 		

Physical	Typical Value (English)	Typical Value (SI)	Test Based On
Melt Volume-Flow Rate (MVR)			ISO 1133
230°C/2.16 kg	0.177 in ³ /10min	2.90 cm ³ /10min	
230°C/5.0 kg	0.647 in ³ /10min	10.6 cm ³ /10min	
Density	1.10 g/cm ³	1.10 g/cm ³	ISO 1183

Mechanical	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Stress at Yield	3770 psi	26.0 MPa	ISO 527-2/50
Tensile Stress at Break	2180 psi	15.0 MPa	ISO 527-2/50
Tensile Strain at Yield	4.0 %	4.0 %	ISO 527-2/50
Tensile Strain at Break	35 %	35 %	ISO 527-2/50
Tensile Modulus - Secant	428000 psi	2950 MPa	ISO 527-2

Impact	Typical Value (English)	Typical Value (SI)	Test Based On
Charpy Notched Impact Strength			ISO 179
32°F (0°C), Complete Break	1.9 ft·lb/in ²	4.0 kJ/m ²	
73°F (23°C), Complete Break	4.8 ft·lb/in ²	10 kJ/m ²	

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Heat Deflection Temperature (1.80 MPa)	144 °F	62.0 °C	ISO 75-2/A
Heat Deflection Temperature (0.45 MPa)	230 °F	110 °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.

