

Exxtral™ Performance Polyolefin CMW402

Polypropylene, Compounded (TPO)

ExxonMobil Chemical

Message:

A special thermoplastic polyolefin resin is used for parts under the hood of an automobile.

General Information			
Features	Super rigidity		
	Good dimensional stability		
	Good demoulding performance		
Uses	Electrical appliances		
	Parts under the hood of a car		
	Application in Automobile Field		
Appearance	Black		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	18	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR)	18.0	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	27.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	4.0	%	ISO 527-2/50
Flexural Modulus - Secant	3500	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C, Complete Break)	5.0	kJ/m ²	ISO 179
Notched Izod Impact (23°C, Complete Break)	3.2	kJ/m ²	ISO 180/B
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	65.0	°C	ISO 75-2/A
Additional Information			
Unless otherwise specified herein: data were prepared pursuant to ExxonMobil's sampling and testing procedures in effect at time of production; and applicable sampling and testing methods are available upon request. Values may result from interpolation or correlation of other data. Sampling and testing methods are subject to change without notice unless otherwise agreed in writing.			
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