

Exxtral™ Performance Polyolefin CMU236

Polypropylene, Compounded (TPO)

Product Description

A specialty thermoplastic polyolefin resin designed for automotive interior covered applications such as retainers in which a good stiffness/toughness balance and low emissions are required.

General

Features	- Balanced Stiffness/Toughness - Good Dimensional Stability	- Low Emissions - Low Fogging	- Low Odor - Medium Impact Resistance
Uses	- Automotive Applications - Automotive Interior Parts	- Automotive Interior Trim - Automotive Under the Hood	
Appearance	Black		
Form(s)	Pellets		
Processing Method	Injection Molding		

Physical	Typical Value (English)	Typical Value (SI)	Test Based On
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	16 g/10 min	16 g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	18 cm³/10min	18 cm³/10min	ISO 1133
Density	1.05 g/cm³	1.05 g/cm³	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 Stress at Break	2470 psi	17.0 MPa	ISO 527-2/50
Tensile Strain at Yield	3.0 %	3.0 %	ISO 527-2/50
Tensile Strain at Break	30 %	30 %	ISO 527-2/50
Tensile Modulus - Secant (73°F (23°C))	351000 psi	2420 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	1.7 ft·lb/in²	3.5 kJ/m²	
73°F (23°C), Complete Break	3.2 ft·lb/in²	6.7 kJ/m²	

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Heat Deflection Temperature (1.80 MPa)	136 °F	58.0 °C	ISO 75-2/A
Heat Deflection Temperature (0.45 MPa)	228 °F	109 °C	ISO 75-2/B

