

Exxtral™ Performance Polyolefin CMU205

Polypropylene, Compounded (TPO)

Product Description

A specialty thermoplastic polyolefin resin designed for automotive exterior applications such as cowl vent grills in which a good stiffness/toughness balance, good surface quality and high UV resistance is required.

General

Features	- Good Dimensional Stability - Good Surface Finish - Weather Resistant
Uses	- Automotive Exterior Parts - Automotive Interior Parts - Automotive Exterior Trim - Automotive Interior Trim
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)	15 g/10 min	15 g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	17 cm ³ /10min	17 cm ³ /10min	ISO 1133
Density	1.05 g/cm ³	1.05 g/cm ³	ISO 1183

Mechanical	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Stress at Yield	3340 psi	23.0 MPa	ISO 527-2/50
Tensile Strain at Yield	3.1 %	3.1 %	ISO 527-2/50
Tensile Modulus - Secant (73°F (23°C))	325000 psi	2240 MPa	ISO 527-2

Impact	Typical Value (English)	Typical Value (SI)	Test Based On
Charpy Notched Impact Strength 73°F (23°C), Complete Break	3.3 ft·lb/in ²	7.0 kJ/m ²	ISO 179

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Heat Deflection Temperature (1.80 MPa)	135 °F	57.0 °C	ISO 75-2/A
Heat Deflection Temperature (0.45 MPa)	225 °F	107 °C	ISO 75-2/B

