

Exxtral™ Performance Polyolefin CMV210S

Polypropylene, Compounded (TPO)

Product Description

A specialty thermoplastic polyolefin resin designed for automotive interior trim in which good surface finish, high scratch resistance, good stiffness/toughness and UV resistance are required.

General

Features	▪ Good Stiffness	▪ High Scratch Resistance	▪ Medium Flow
Uses	▪ Automotive Applications	▪ Automotive Interior Parts	▪ Automotive Interior Trim
Appearance	▪ Colors Available		
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)	17 g/10 min	17 g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	19 cm ³ /10min	19 cm ³ /10min	ISO 1133
Density	1.03 g/cm ³	1.03 g/cm ³	ISO 1183

Mechanical	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Stress at Yield	3610 psi	24.9 MPa	ISO 527-2
Tensile Strain at Yield	4.0 %	4.0 %	ISO 527-2
Tensile Modulus (73°F (23°C))	305000 psi	2100 MPa	ISO 527-2
Flexural Modulus	326000 psi	2250 MPa	ISO 178

Impact	Typical Value (English)	Typical Value (SI)	Test Based On
Notched Izod Impact Strength 73°F (23°C), Complete Break	3.4 ft·lb/in ²	7.2 kJ/m ²	ISO 180/1A
Charpy Notched Impact Strength 73°F (23°C), Complete Break	3.8 ft·lb/in ²	8.0 kJ/m ²	ISO 179

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Heat Deflection Temperature (1.80 MPa)	131 °F	55.0 °C	ISO 75-2/A
Heat Deflection Temperature (0.45 MPa)	212 °F	100 °C	ISO 75-2/B

