ExxonMobil

Exxtral™ Performance Polyolefin CMV101A

Polypropylene, Compounded (TPO)

Product Description

A specialty thermoplastic polyolefin resin characterized by a good stiffness/toughness balance and designed for automotive interior trim applications. UV stabilized.

General

Features	▪ Good Flow	▪ Good Processability
Uses	▪ 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)	28	g/10 min	28	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	35	cm^3/10min	35	cm^3/10min	ISO 1133
Density	0.970	g/cm^3	0.970	g/cm^3	ISO 1183

Mechanical	Typical Value (English)		Typical Value (SI)		Test Based On
Tensile Stress at Yield	3710	psi	25.6	MPa	ISO 527-2/50
Tensile Strain at Yield	3.6	%	3.6	%	ISO 527-2
Tensile Modulus - Secant	274000	psi	1890	MPa	ISO 527-2
Flexural Modulus	278000	psi	1920	MPa	ISO 178

Impact	Typical Value (English)		Typical Value (SI)		Test Based On
Notched Izod Impact Strength					ISO 180/A
73°F (23°C), Complete Break	2.6	$ft·lb/in^2$	5.4	kJ/m^2	
Charpy Notched Impact Strength					ISO 179
73°F (23°C), Complete Break	2.9	$ft·lb/in^2$	6.1	kJ/m^2	

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)	219	°F	104	°C	ISO 75-2/B