

Exxtral™ Performance Polyolefin HMU216

Polypropylene, Compounded (TPO)

Product Description

A specialty thermoplastic polyolefin resin characterized by high stiffness and designed for automotive exterior applications in which good surface finish and good UV resistance are required.

General

Features	▪ Good Dimensional Stability	▪ Good Surface Finish	▪ Weather Resistant
Uses	▪ Automotive Applications	▪ Automotive Exterior Parts	▪ Automotive Exterior 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)	12	g/10 min	12	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	14	cm ³ /10min	14	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	4930	psi	34.0	MPa	ISO 527-2/50
Tensile Strain at Yield	4.2	%	4.2	%	ISO 527-2/50
Tensile Modulus - Secant	424000	psi	2920	MPa	ISO 527-2
Flexural Modulus - Secant	421000	psi	2900	MPa	ISO 178

Impact	Typical Value	(English)	Typical Value	(SI)	Test Based On
Charpy Notched Impact Strength 73°F (23°C), Complete Break	1.2	ft-lb/in ²	2.6	kJ/m ²	ISO 179

Thermal	Typical Value	(English)	Typical Value	(SI)	Test Based On
Heat Deflection Temperature (1.80 MPa)	149	°F	65.0	°C	ISO 75-2/A
Heat Deflection Temperature (0.45 MPa)	239	°F	115	°C	ISO 75-2/B

