

Exxtral™ Performance Polyolefin LNV010

Polypropylene, Compounded (TPO)

Product Description

A specialty thermoplastic polyolefin resin with high gloss, low warpage, and low discoloration in contact with hot water/steam in large electrical appliances such as washing machines. Contains anti-static additive.

General

Features	▪ Good Mold Release	▪ Good Surface Finish	▪ High Flow
Uses	▪ Appliance Components	▪ Appliances	▪ Consumer Applications
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)	30 g/10 min	30 g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	2.50 in ³ /10min	41.0 cm ³ /10min	ISO 1133
Density	0.897 g/cm ³	0.897 g/cm ³	ISO 1183

Mechanical	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Stress at Yield	5030 psi	34.7 MPa	ISO 527-2/50
Tensile Strain at Yield	7.0 %	7.0 %	ISO 527-2/50
Tensile Modulus - Secant	232000 psi	1600 MPa	ISO 527-2

Impact	Typical Value (English)	Typical Value (SI)	Test Based On
Charpy Notched Impact Strength			ISO 179
-22°F (-30°C)	0.62 ft-lb/in ²	1.3 kJ/m ²	
73°F (23°C)	1.1 ft-lb/in ²	2.4 kJ/m ²	

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Heat Deflection Temperature (1.80 MPa)	126 °F	52.0 °C	ISO 75-2/A
Heat Deflection Temperature (0.45 MPa)	198 °F	92.0 °C	ISO 75-2/B
Vicat Softening Temperature	307 °F	153 °C	ISO 306/A50

