

Exxtral™ Performance Polyolefin LNT010

Polypropylene, Compounded (TPO)

Product Description

A specialty thermoplastic polyolefin resin with high heat ageing resistance, high transparency, low color and low discoloration for contact with hot water, hot air and detergent in electrical appliances such as washing machines.

General

Features	▪ Good Mold Release	▪ Good Surface Finish	▪ Good Thermal Stability
Uses	▪ Appliance Components ▪ Appliances	▪ Automotive Applications ▪ Automotive Under the Hood	▪ Consumer Applications
Appearance	▪ Natural Color		
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)	5.0 g/10 min	5.0 g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	0.427 in ³ /10min	7.00 cm ³ /10min	ISO 1133
Density	0.900 g/cm ³	0.900 g/cm ³	ISO 1183

Mechanical	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Stress at Yield	4640 psi	32.0 MPa	ISO 527-2/50
Tensile Strain at Yield	10 %	10 %	ISO 527-2/50
Tensile Strain at Break	> 200 %	> 200 %	ISO 527-2/50
Tensile Modulus - Secant (73°F (23°C))	203000 psi	1400 MPa	ISO 527-2
Flexural Modulus	196000 psi	1350 MPa	ISO 178

Impact	Typical Value (English)	Typical Value (SI)	Test Based On
Charpy Notched Impact Strength (73°F (23°C))	1.7 ft-lb/in ²	3.5 kJ/m ²	ISO 179

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Heat Deflection Temperature (1.80 MPa)	122 °F	50.0 °C	ISO 75-2/A
Vicat Softening Temperature	178 °F	81.0 °C	ISO 306/B50

