

Exxtral™ Performance Polyolefin LNU012

Polypropylene, Compounded (TPO)

Product Description

A specialty thermoplastic polyolefin resin with good heat resistance and good surface finish designed for fast injection molding of large electrical appliance parts.

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)	15 g/10 min	15 g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	1.22 in ³ /10min	20.0 cm ³ /10min	ISO 1133
Density	0.940 g/cm ³	0.940 g/cm ³	ISO 1183

Mechanical	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Stress at Yield	5220 psi	36.0 MPa	ISO 527-2
Tensile Strain at Yield	6.5 %	6.5 %	ISO 527-2
Tensile Modulus - Secant	319000 psi	2200 MPa	ISO 527-2
Flexural Modulus - Secant	326000 psi	2250 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	2.5 kJ/m ²	ISO 179

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Heat Deflection Temperature (1.80 MPa)	136 °F	58.0 °C	ISO 75-2/A
Heat Deflection Temperature (0.45 MPa)	239 °F	115 °C	ISO 75-2/B

