

Exxtra™ 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

Availability ¹	▪ Africa & Middle East	▪ Europe	
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		
Revision Date	▪ 10/31/2014		

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

Legal Statement

Contact your ExxonMobil Chemical Customer Service Representative for potential food contact application compliance (e.g. FDA, EU, HPFB).

This product is not intended for use in medical applications and should not be used in any such applications.

Notes

Typical properties: these are not to be construed as specifications.

¹ Product may not be available in one or more countries in the identified Availability regions. Please contact your Sales Representative for complete Country Availability.

