

Exxtra™ Performance Polyolefin HMU301

Polypropylene, Compounded (TPO)

Product Description

A specialty thermoplastic polyolefin resin designed for high heat and discoloration resistance, good surface finish, and detergent resistance for electrical appliances such as washing machines. Contains an anti-static additive.

General

Availability ¹	▪ Africa & Middle East	▪ Europe	
Features	▪ Good Dimensional Stability	▪ Good Surface Finish	▪ Ultra High Stiffness
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)	14 g/10 min	14 g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	0.915 in ³ /10min	15.0 cm ³ /10min	ISO 1133
Density	1.18 g/cm ³	1.18 g/cm ³	ISO 1183

Mechanical	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Stress at Yield	4970 psi	34.3 MPa	ISO 527-2/50
Tensile Stress at Break	4350 psi	30.0 MPa	ISO 527-2/50
Tensile Strain at Yield	3.9 %	3.9 %	ISO 527-2/50
Tensile Strain at Break	9.0 %	9.0 %	ISO 527-2/50
Tensile Modulus - Secant	502000 psi	3460 MPa	ISO 527-2
Flexural Modulus - Secant	505000 psi	3480 MPa	ISO 178

Impact	Typical Value (English)	Typical Value (SI)	Test Based On
Charpy Notched Impact Strength 73°F (23°C), Complete Break	1.3 ft·lb/in ²	2.7 kJ/m ²	ISO 179

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Heat Deflection Temperature (1.80 MPa)	154 °F	68.0 °C	ISO 75-2/A
Heat Deflection Temperature (0.45 MPa)	250 °F	121 °C	ISO 75-2/B

Legal Statement

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

This product is not intended for use in food contact application.

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.

