

Exxtral™ Performance Polyolefin LNU012

Polypropylene, Compounded (TPO)

ExxonMobil Chemical

Message:

A special thermoplastic polyolefin resin with good heat resistance and good surface finish is used for rapid injection molding of large electrical components.

General Information			
UL YellowCard	E31790-230712		
Features	High liquidity		
	Good demoulding performance		
	Excellent appearance		
Uses	Electrical appliances		
	Home appliance components		
	Consumer goods application field		
Appearance	Available colors		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.940	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	15	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	20.0	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - Secant	2200	MPa	ISO 527-2
Tensile Stress (Yield)	36.0	MPa	ISO 527-2
Tensile Strain (Yield)	6.5	%	ISO 527-2
Flexural Modulus - Secant	2250	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C, Complete Break)	2.5	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	115	°C	ISO 75-2/B
1.8 MPa, not annealed	58.0	°C	ISO 75-2/A
Legal statement			

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