

Exxtral™ Performance Polyolefin HMU301

Polypropylene, Compounded (TPO)

ExxonMobil Chemical

Message:

The invention relates to a special thermoplastic polyolefin resin with high heat resistance, high fading resistance, good surface finish and washing resistance, and is suitable for electrical applications (such as washing machines). Contains antistatic additives.

General Information			
Features	Super rigidity		
	Good dimensional stability		
	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	1.18	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	14	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	15.0	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - Secant	3460	MPa	ISO 527-2
Tensile Stress			ISO 527-2/50
Yield	34.3	MPa	ISO 527-2/50
Fracture	30.0	MPa	ISO 527-2/50
Tensile Strain			ISO 527-2/50
Yield	3.9	%	ISO 527-2/50
Fracture	9.0	%	ISO 527-2/50
Flexural Modulus - Secant	3480	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C, Complete Break)	2.7	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	121	°C	ISO 75-2/B
1.8 MPa, not annealed	68.0	°C	ISO 75-2/A

Legal statement

本产品不宜在医疗应用中使用,亦不应在任何此类应用中使用本产品不宜在与食品接触的应用中使用.

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