

Pro-fax SE012

Polypropylene Impact Copolymer
LyondellBasell Industries

Message:

Pro-fax SE012 low melt flow, electrical grade polypropylene copolymer resin has outstanding toughness, flex-life and abrasion resistance. This resin demonstrates good processing behavior and is tailored for production of heavy- and thin-walled constructions. Other features include excellent electrical and physical properties, resistance to stress-cracking, solvent and chemical resistance, good colorability, high yields due to low specific gravity, and proven life in the presence of copper.

All ingredients of Pro-fax SE012 meet the chemical registration requirements of TSCA (U.S.) and DSL (Canada).

Typical applications include oil well logging cables, data cables and heavier wall insulation.

General Information			
Features	Good dimensional stability		
	High ESCR (Stress Cracking Resistance)		
	Copolymer		
	Solvent resistance		
	Workability, good		
	Machinable		
	Good electrical performance		
	Good heat aging resistance		
	Good coloring		
	Good wear resistance		
	Low liquidity		
	Good chemical resistance		
	Fatigue resistance		
	Good toughness		
	Low or no water absorption		
Uses	Wire and cable applications		
	Industrial application		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.5	g/10 min	ASTM D1238, ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	25.0	MPa	ISO 527-2
Tensile Strain (Yield)	10	%	ISO 527-2
Flexural Modulus	1000	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method

Notched Izod Impact (23°C)	34	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	78.0	°C	ISO 75-2/B
Additional Information			
Environmental Stress-Cracking Resistance, REA PE-210: > 1,000 hrsThermal Stress-Cracking Resistance, REA PE-210: > 1,000 hrsDrop Weight Impact Strength, Basell Test Method, -20°F: 23 ft-lbs			

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