Technical Data Sheet

Pro-fax SE012

W&C Polyolefin Compound

Product Description

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.
It is typically used for oil well logging cables, data cables and heavier wall insulation applications.

Regulatory Status

For regulatory compliance information, see *Pro-fax* SE012 Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Commercial: Active
Availability	North America
Application	Wire & Cable
Market	Wire & Cable
Processing Method	Injection Molding; Wire & Cable
Attribute	Copolymer; Fatigue Resistant; Good Abrasion Resistance; Good Chemical Resistance; Good Colorability; Good Dimensional Stability; Good Electrical Properties; Good Heat Aging Resistance; Good Processability; Good Toughness; High ESCR (Environmental Stress Cracking Resistance); Low Flow; Low to No Water Absorption; Machinable; Solvent Resistant

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	1.5	g/10 min	ISO 1133-1
Density, (23 °C)	0.90	g/cm³	ISO 1183-1
Mechanical			
Flexural Modulus	1400	MPa	ISO 178
Tensile Stress at Yield	28	MPa	ISO 527-1, -2
Tensile Strain at Yield	10	%	ISO 527-1, -2
Impact			
Notched Izod Impact Strength, (23 °C)	34	kJ/m²	ISO 180
Thermal			
Deflection Temperature Under Load, (0.45 MPa, Unannealed)	78	°C	ISO 75B-1, -2
Additional Information			
Mold Shrinkage			ISO 294-4
Please contact LyondellBasell for shrinkage recommendations.			

Manufacturer website: https://www.lyondellbasell.com/en/

Notes

These are typical property values not to be construed as specification limits.

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Company Information

For further information regarding the LyondellBasell company, please visit http://www.lyb.com/.

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