

## Solvay Specialty Polymers Kalix® 2930 HFFR Polyamide, High Performance (HPPA), Glass Fiber

Category : Polymer , Renewable/Recycled Polymer , Thermoplastic , Nylon

### Material Notes:

Kalix® 2930 HFFR is a bio-sourced polyamide-based material specifically formulated to meet UL 94V2 @ 0.4 mm requirements for electronic devices. The material uses an advanced halogen-free flame retardant package expressly designed to minimize blooming, plate out, and other process related issues commonly associated with flame retardant materials. Features: Fast Molding Cycle; Flame Retardant; Good Dimensional Stability; Good Impact Resistance; Good Surface Finish; High Flow; High Stiffness; High Strength; Hot Water Moldability; Low Warp; Paintable; Platable. Uses: Cell Phones; Electrical Parts; Electrical/Electronic Applications; Thin-walled Parts. Injection Molding Notes: Kalix® compounds are shipped in moisture-resistant packages at moisture levels according to specifications. Sealed, undamaged bags should be preferably stored in a dry room at a maximum temperature of 50°C (122°F) and should be protected from possible damage. If only a portion of a package is used, the remaining material should be transferred into a sealable container. It is recommended that Kalix® resins be dried prior to molding. Additional Properties: Flexural Strain at Break - ISO 178 2.6 %; Specific Gravity - 1.41; UL Rating Information provided by Solvay Specialty Polymers.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Solvay-Specialty-Polymers-Kalix-2930-HFFR-Polyamide-High-Performance-HPPA-Glass-Fiber.php](http://www.lookpolymers.com/polymer_Solvay-Specialty-Polymers-Kalix-2930-HFFR-Polyamide-High-Performance-HPPA-Glass-Fiber.php)

Physical Properties	Metric	English	Comments
Water Absorption	0.17 %	0.17 %	ISO 62
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Flow	0.0020 cm/cm	0.0020 in/in	ISO 294-4
Linear Mold Shrinkage, Transverse	0.0070 cm/cm	0.0070 in/in	ISO 294-4

Mechanical Properties	Metric	English	Comments
Tensile Stress	130 MPa	18900 psi	ISO 527-2
Elongation at Break	2.4 %	2.4 %	ISO 527-2
Tensile Modulus	10.6 GPa	1540 ksi	ISO 527-2
Flexural Strength	200 MPa	29000 psi	ISO 178
Flexural Modulus	10.0 GPa	1450 ksi	ISO 178
Izod Impact, Notched (ISO)	9.00 kJ/m <sup>2</sup>	4.28 ft-lb/in <sup>2</sup>	Type 1, Notch A; ISO 180
Izod Impact, Unnotched (ISO)	55.0 kJ/m <sup>2</sup>	26.2 ft-lb/in <sup>2</sup>	ISO 180

Thermal Properties	Metric	English	Comments
Melting Point	223 °C	433 °F	DSC

Thermal Properties	Metric	English	Comments
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Processing Properties	Metric	English	Comments
Rear Barrel Temperature	265 - 275 Â°C	509 - 527 Â°F	
Front Barrel Temperature	280 - 295 Â°C	536 - 563 Â°F	
Melt Temperature	260 - 300 Â°C	500 - 572 Â°F	
Mold Temperature	80.0 - 120 Â°C	176 - 248 Â°F	
Drying Temperature	80.0 Â°C @Time 14400 - 43200 sec	176 Â°F @Time 4.00 - 12.0 hour	
Moisture Content	<= 0.090 %	<= 0.090 %	

Descriptive Properties	Value	Comments
Availability	Asia Pacific; North America	
Color	Black	
Form	Pellets	
Part Marking Code	>PA610-GF30<	ISO 11469
Processing Technique	Injection Molding; Water-Heated Mold Injection Molding	

## Contact Songhan Plastic Technology Co.,Ltd.

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