

**DESCRIPTION** Starflam RF0023K is a Mineral Flame Retardant ,Halogen Free Red Phosphorous Free, Glass Fiber Reinforced Polyamide 66 and Polyamide 6 Injection Molding Resin. Crosslinkable under Beta or Gamma Radiation

PROPERTY (1)	UNIT	STANDARD	TYPICAL VALUE (1) Dry As Moulded
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### PHYSICAL

Density	g/cm <sup>3</sup>	ISO 1183	1.74
Mold Shrinkage on Tensile Bar, flow	%	E2P Method	0.3 - 0.6

### MECHANICAL

Flexural Modulus, 2 mm/min	MPa	ISO 178	10700
Flexural Stress, break, 2 mm/min	MPa	ISO 178	145
Tensile Strain, break, 5 mm/min	%	ISO 527	1-2
Tensile Stress, break, 5 mm/min	MPa	ISO 527	90

### IMPACT

Izod Impact, notched 80*10*4 +23°C	kJ/m <sup>2</sup>	ISO 180/1A	3
Izod Impact, unnotched 80*10*4 +23°C	kJ/m <sup>2</sup>	ISO 180/1U	15

### THERMAL

HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	°C	ISO 75/Af	203
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### FLAME CHARACTERISTICS

Glow Wire Flammability Index 960°C, passes at	mm	IEC 60695-2-12	1.5
UL E2P measurement, 94V-0 Flame Class Rating	mm	UL 94 by E2P	1.6

### ELECTRICAL

Comparative Tracking Index	V	IEC 60112	600
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Source RJF, last update 01-07-2010

(1) Typical values for natural color unless specified otherwise. Do not constitute a specification. Significant variations are possible for colors

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EUROSTAR Engineering Plastics, ZI - Rue de la Ferme Saint Ladre, BP2, F/95471 Fosses Cedex FRANCE,

Tel: + 33 1 34 47 47 00, Fax: + 33 1 34 47 47 18 - [www.eurostar-ep.com](http://www.eurostar-ep.com)

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PARAMETER	SETTING	UNIT
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**PROCESSING PARAMETERS:** see above typical molding conditions.

**DRYING:** is not essential when material is delivered in sealed bags with moisture content below 0.2%.

**BARRELS, SCREWS, MOULDS:** use wear resisting steel or alloy such as bimetallic cylinders, nitrided screws.

**USE OF REGRIND:** the properties of the component should be checked in order to ascertain the maximum acceptable level of regrind.

**SAFETY:** please refer to Material Safety Datasheet

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