

Starflam® X-Protect RF0023K

polyamide 66



Starflam X-Protect RF0023K is a mineral flame retardant ,halogen free and red phosphorous free, glass fiber reinforced PA66 and PA6 for injection molded applications.

General

Regional Availability	• North America	• Europe	
Additive	• Flame Retarding Agent	• Heat Stabilizer	• Release agent
Features	• Bromine Free • High Strength	• Flame Retardant	• Halogen Content, None
Agency Rating	• ISO, 1043 PA66 X (GF+MD)60 FR(61)		
Appearance	• Natural Color		
Forms	• Pellets		
Processing Method	• Injection Molding		

Physical

	dry	cond.	Unit	Test Standard
Density	1.74	-	g/cm ³	ISO 1183

Mechanical

	dry	cond.	Unit	Test Standard
Tensile Stress (Break, 23°C)	90	-	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	1.5	-	%	ISO 527-2
Flexural Modulus (23°C)	10700	-	MPa	ISO 178
Flexural Strength (23°C)	145	-	MPa	ISO 178

Impact

	dry	cond.	Unit	Test Standard
Notched Izod Impact Strength, +23°C	3	-	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength, +23°C	15	-	kJ/m ²	ISO 180/1U

Thermal

	dry	cond.	Unit	Test Standard
Heat Deflection Temperature, 1.80 MPa, Unannealed	203	-	°C	ISO 75-2/A

Electrical

	Value	Unit	Test Standard
Comparative Tracking Index (3.00 mm)	600	V	IEC 60112

Flammability

	Value	Unit	Test Standard
Flammability 1.60 mm	V-0	-	UL 94
Glow Wire Flammability Index 1.50 mm	960	°C	IEC 60695-2-12