

Starflam® X-Protect RF006K

polyamide 66



Starflam X-Protect RF006K is a 30% glass fiber reinforced PA66 for injection molded applications.

General

Regional Availability	• North America	• Europe
Additive	• Heat Stabilizer	• Release agent
Features	• Good Dimensional Stability	• High Heat Resistance
Agency Rating	• ISO, 1043 PA66 X GF30	
Appearance	• Natural Color	
Forms	• Pellets	
Processing Method	• Injection Molding	

Physical

	dry	cond.	Unit	Test Standard
Density	1.37	-	g/cm ³	ISO 1183

Mechanical

	dry	cond.	Unit	Test Standard
Tensile Stress (Break, 23°C)	175	-	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	2.7	-	%	ISO 527-2
Flexural Modulus (23°C)	7500	-	MPa	ISO 178
Flexural Strength (23°C)	175	-	MPa	ISO 178

Impact

	dry	cond.	Unit	Test Standard
Notched Izod Impact Strength, +23°C	9	-	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength, +23°C	45	-	kJ/m ²	ISO 180/1U

Thermal

	dry	cond.	Unit	Test Standard
Heat Deflection Temperature, 1.80 MPa, Unannealed	248	-	°C	ISO 75-2/A

Injection

	Value	Unit
Drying Temperature	80	°C
Drying Time	4	h
Suggested Max Moisture	0.2	%
Rear Temperature	260 - 280	°C
Middle Temperature	270 - 280	°C
Front Temperature	270 - 280	°C
Nozzle temperature	270 - 275	°C
Processing (Melt) Temperature	270 - 290	°C
Mold Temperature	60 - 90	°C