Starflam® X-Protect RF006K

Ascend Performance Materials Operations LLC - *Polyamide 66*

General Information

Product Description			
Starflam X-Protect RF006K is a 30% glass fiber reinforced PA66 for injection molded applications.			
General			
Material Status	• Commercial: Active		
Availability	• Europe	• North America	
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight		
Additive	• Heat Stabilizer	• Mold Release	
Features	• Good Dimensional Stability	• Heat Stabilized	• High Heat Resistance
Agency Ratings	• ISO 1043 PA66 X GF30		
Appearance	• Natural Color		
Forms	• Pellets		
Processing Method	• Injection Molding		
Resin ID	• PA66-(X+GF)30		

Properties [1]

Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.37	g/cm³	ISO 1183
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Break, 73°F)	25400	psi	ISO 527-2
Tensile Strain (Break, 73°F)	2.7	%	ISO 527-2
Flexural Modulus (73°F)	1.09E+6	psi	ISO 178
Flexural Stress (73°F)	25400	psi	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact Strength (73°F)	4.3	ft·lb/in²	ISO 180/1A
Unnotched Izod Impact Strength (73°F)	21	ft·lb/in²	ISO 180/1U
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (264 psi, Unannealed)	478	°F	ISO 75-2/A

Processing Information

Injection	**Nominal Value**	**Unit**
Drying Temperature	< 140	°F
Drying Time	< 4.0	hr
Suggested Max Moisture	< 0.20	%
Rear Temperature	500 to 536	°F
Middle Temperature	518 to 536	°F
Front Temperature	482 to 518	°F
Nozzle Temperature	518 to 536	°F
Processing (Melt) Temp	500 to 536	°F
Mold Temperature	104 to 194	°F

Notes

[1] Typical properties: these are not to be construed as specifications.