

Spartech Polycom SC14F-1060L

Polyamide 66

Spartech Polycom

Message:

Spartech SC14F-1060L is an unreinforced, flame retardant, nylon 6/6 resin for injection molding applications. It is heat stabilized and lubricated for good processing characteristics and easy mold release. This product meets Underwriter's Laboratories 94 V-0 flammability classification down to a thickness of 0.030" and 94 5VA down to 0.125" in thickness.

Nylons are highly crystalline resins with a sharp melting and freezing point. That characteristic allows for good flow properties when in the melt state, and fast cycle times when cooling in the mold. The highly crystalline characteristic also brings high strength properties and wear resistance.

A very versatile product for a wide variety of applications, Spartech SC14F-1060L is recommended for industrial, transportation, sporting goods and electrical/electronic applications.

General Information			
Additive	heat stabilizer Lubricant Flame retardancy		
Features	High strength Crystallization Workability, good Fast molding cycle Good liquidity Good wear resistance Thermal Stability Thermal stability, good Lubrication Good demoulding performance Flame retardancy		
Uses	Electrical/Electronic Applications Industrial application Application in Automobile Field Sporting goods		
Appearance	Available colors Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.27	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method

Tensile Strength (Yield, 23°C)	58.6	MPa	ASTM D638
Flexural Strength (23°C)	89.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	48	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	220	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
0.787 mm, NC	V-0		UL 94
3.18 mm, NC	5VA		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	87.8 - 93.3	°C	
Drying Time	2.0 - 4.0	hr	
Rear Temperature	238 - 260	°C	
Middle Temperature	249 - 271	°C	
Front Temperature	249 - 271	°C	
Nozzle Temperature	243 - 254	°C	
Processing (Melt) Temp	238 - 260	°C	
Mold Temperature	21.1 - 93.3	°C	

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