

Spartech Polycom SC14F-1060L

Polyamide 66

Spartech Polycom



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Technical Data

Product Description

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

Material Status	• Commercial: Active		
Search for UL Yellow Card	• Spartech Polycom		
Availability	• North America		
Additive	• Flame Retardant	• Heat Stabilizer	• Lubricant
Features	• Crystalline • Fast Molding Cycle • Flame Retardant • Good Flow	• Good Mold Release • Good Processability • Good Thermal Stability • Good Wear Resistance	• Heat Stabilized • High Strength • Lubricated
Uses	• Automotive Applications • Electrical/Electronic Applications	• Industrial Applications • Sporting Goods	
Appearance	• Colors Available	• Natural Color	
Forms	• Pellets		
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 Unit	Test Method
Flame Rating		UL 94
0.787 mm, NC	V-0	
3.18 mm, NC	5VA	

Injection	Nominal Value Unit
Drying Temperature	87.8 to 93.3 °C
Drying Time	2.0 to 4.0 hr
Rear Temperature	238 to 260 °C
Middle Temperature	249 to 271 °C
Front Temperature	249 to 271 °C
Nozzle Temperature	243 to 254 °C
Processing (Melt) Temp	238 to 260 °C
Mold Temperature	21.1 to 93.3 °C

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Notes

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

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Where to Buy

Supplier

Spartech Polycom

Washington, PA USA

Telephone: 800-538-3149

Web: <http://www.spartech.com/>

Distributor

Please contact the supplier to find a distributor for Spartech Polycom SC14F-1060L



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– Birgit Elvardt Bader, Production Manager, Micotron

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