

# Spartech Polycom SC14-1080L

Polyamide 66

Spartech Polycom

Message:

Spartech SC14-1080L is a medium viscosity, impact modified, nylon 6/6 resin for injection molding applications. It is process stabilized and lubricated for good flow characteristics.

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 SC14-1080L is recommended for industrial, transportation, sporting goods and electrical/electronic applications.

General Information			
Additive	Impact modifier		
	Processing stabilizer		
	Lubricant		
Features	Impact modification		
	High strength		
	Crystallization		
	Impact resistance, good		
	Workability, good		
	Fast molding cycle		
	Good liquidity		
	Good wear resistance		
	Lubrication		
	Medium viscosity		
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	1.09	g/cm <sup>3</sup>	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	60.7	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	75	%	ASTM D638

Flexural Modulus (23°C)	2240	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	130	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	60.0	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	87.8 - 93.3	°C	
Drying Time	2.0 - 4.0	hr	
Rear Temperature	249 - 271	°C	
Middle Temperature	277 - 288	°C	
Front Temperature	271 - 288	°C	
Nozzle Temperature	277 - 288	°C	
Processing (Melt) Temp	271 - 293	°C	
Mold Temperature	37.8 - 93.3	°C	

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#### Recommended distributors for this material

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