

# Spartech Polycom SC14-2233L

Polyamide 6

Spartech Polycom

Message:

Spartech SC14-2233L is a medium viscosity nylon 6 resin for injection molding applications that features 33% glass fiber reinforcement. It is heat stabilized and lubricated for good processing characteristics.

Nylon 6 resins have good mechanical properties, good toughness at low temperatures, and high thermal stability. They also have excellent chemical resistance and their dielectric properties are very good.

A very versatile product for a wide variety of applications, Spartech SC14-2233L is recommended for industrial, transportation, sporting goods and electrical/electronic applications.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 33% filler by weight		
Additive	heat stabilizer		
	Lubricant		
Features	Workability, good		
	Good chemical resistance		
	Thermal Stability		
	Thermal stability, good		
	Good toughness		
	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	1.40	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.30	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	152	MPa	ASTM D638
Flexural Modulus (23°C)	7580	MPa	ASTM D790
Flexural Strength (23°C)	214	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method

Notched Izod Impact (23°C)	96	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	222	°C	ASTM D648
1.8 MPa, not annealed	212	°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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