

# Spartech Polycom SC21-1093U

Polybutylene Terephthalate

Spartech Polycom

Message:

Spartech SC21-1093U is a medium viscosity PBT resin for injection molding applications. It is heat stabilized and lubricated for good processing characteristics. It is also UV stabilized and lubricated for good processing characteristics in outdoor exposure. PBT resins offer dimensional and physical stability in moist environments. They also provide outstanding chemical resistance to most oils and greases and offer high heat resistance. A very versatile product for a wide variety of applications, Spartech SC21-1093U is recommended for industrial, transportation, sporting goods and electrical/electronic applications.

General Information			
Additive	heat stabilizer		
	Lubricant		
	UV stabilizer		
Features	Good dimensional stability		
	Good UV resistance		
	Workability, good		
	Heat resistance, high		
	Oil resistance		
	Grease resistance		
	Thermal Stability		
	Thermal stability, good		
	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	1.31	g/cm <sup>3</sup>	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	51.7	MPa	ASTM D638
Flexural Modulus (23°C)	2340	MPa	ASTM D790

Flexural Strength (23°C)	82.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	53	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	54.0	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	87.8 - 93.3	°C	
Drying Time	3.0 - 4.0	hr	
Rear Temperature	227 - 243	°C	
Middle Temperature	232 - 249	°C	
Front Temperature	238 - 254	°C	
Nozzle Temperature	238 - 254	°C	
Processing (Melt) Temp	235 - 254	°C	
Mold Temperature	43.3 - 60.0	°C	

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#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

