

# Spartech Polycom SCR7F-7010A

Polycarbonate

Spartech Polycom

Message:

Spartech SCR7F-7010A is a medium viscosity, flame retardant, PC resin for injection molding. It is heat stabilized and lubricated for good processing characteristics.

Polycarbonate resins span a wide range of physical properties that combine to make it one of the toughest, most versatile of all engineering thermoplastics. It is well known for its exceptional impact resistance, plus it has outstanding mechanical, electrical, and optical properties.

A very versatile product for a wide variety of applications, Spartech SCR7F-7010A is recommended for industrial, transportation, sporting goods and electrical/electronic applications.

General Information			
Additive	heat stabilizer		
	Lubricant		
	Flame retardancy		
Features	Impact resistance, high		
	Workability, good		
	Good electrical performance		
	Thermal Stability		
	Thermal stability, good		
	Good toughness		
	Lubrication		
	Medium viscosity		
	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	1.21	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	14	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	62.1	MPa	ASTM D638
Flexural Modulus (23°C)	2240	MPa	ASTM D790

Flexural Strength (23°C)	89.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	750	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	132	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (3.18 mm, NC)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	3.0 - 4.0	hr	
Rear Temperature	266 - 277	°C	
Middle Temperature	271 - 282	°C	
Front Temperature	282 - 299	°C	
Nozzle Temperature	277 - 304	°C	
Processing (Melt) Temp	288 - 316	°C	
Mold Temperature	71.1 - 93.3	°C	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

#### 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

