# Spartech Polycom SC7-7006UA

### Polycarbonate

Spartech Polycom

### Message:

Spartech SC7-7006UA is a high viscosity PC resin for extrusion that features a UV stabilizer. It is suitable for outdoor use with respect to exposure to ultraviolet light, water exposure and immersion in accordance with UL746C. 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 SC7-7006UA is recommended for industrial, transportation, sporting goods and electrical/electronic applications.

Lubricant UV stabilizer  Features  Moisture resistance Impact resistance, high Good UV resistance Workability, good Good electrical performance Thermal Stability Thermal stability, good Good toughness Lubrication Viscosity, High  Uses  Electrical/Electronic Applications Industrial application Application in Automobile Field Sporting goods  Appearance Available colors Natural color	General Information	
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Industrial application Application in Automobile Field Sporting goods  Appearance Available colors Natural color  Forms Particle Extrusion		
Application in Automobile Field Sporting goods  Appearance Available colors Natural color  Forms Particle Processing Method Extrusion	Uses	Electrical/Electronic Applications
Sporting goods  Appearance Available colors Natural color  Forms Particle  Extrusion  Extrusion		Industrial application
Appearance Available colors Natural color  Forms Particle Processing Method Extrusion		Application in Automobile Field
Natural color  Forms Particle Processing Method Extrusion		Sporting goods
Natural color  Forms Particle Processing Method Extrusion		
Forms Particle Processing Method Extrusion	Appearance	Available colors
Processing Method Extrusion		Natural color
Processing Method Extrusion		
	Forms	
Injection molding	Processing Method	Extrusion
		Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	7.3	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)	2140	MPa	ASTM D790
Flexural Strength (Yield, 23°C)	94.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	850	J/m	ASTM D256
Flammability	Nominal Value		Test Method
Flame Rating (1.52 mm, NC)	V-2		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	

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### Recommended distributors for this material

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