

# Spartech Polycom SC6-1080U

Acrylonitrile Styrene Acrylate

Spartech Polycom

Message:

Spartech SC6-1080U is a general purpose, moderate flow, ASA resin for injection/extrusion molding applications. ASA resins offer great toughness and rigidity, good chemical resistance, good impact resistance, good heat stability and good antistatic properties. Its unproblematic processing over a wide range of temperatures and excellent resistance to outdoor exposure, aging and yellowing add to the benefits of this product.

A very versatile product for a wide variety of applications, Spartech SC6-1080U is recommended for electrical engineering, binders, covers and housings.

General Information	
Features	Rigidity, high Antistatic property Impact resistance, good Workability, good Good liquidity Good chemical resistance Good weather resistance Thermal stability, good Good toughness General
Uses	Electrical/Electronic Applications Shell Adhesive
Appearance	Available colors Natural color
Forms	Particle
Processing Method	Extrusion Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.07	g/cm <sup>3</sup>	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	37.2	MPa	ASTM D638
Flexural Modulus (23°C)	1650	MPa	ASTM D790
Flexural Strength (23°C)	51.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	590	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	100	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	79.4	°C	
Drying Time	2.0 - 4.0	hr	
Rear Temperature	229 - 260	°C	
Middle Temperature	229 - 260	°C	
Front Temperature	229 - 260	°C	
Nozzle Temperature	241 - 282	°C	
Processing (Melt) Temp	241 - 282	°C	
Mold Temperature	40.0 - 80.0	°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

