

# Spartech Polycom SC6-1082U

Acrylonitrile Styrene Acrylate

Spartech Polycom

Message:

Spartech SC6-1082U is a general purpose, moderate flow, ASA resin for injection/extrusion molding applications. It is UV stabilized for excellent resistance to outdoor exposure, aging and yellowing.

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 SC6-1082U is recommended for electrical engineering, binders, covers and housings.

General Information	
Additive	UV stabilizer
Features	Rigidity, high
	Antistatic property
	Impact resistance, good
	Good UV resistance
	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

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