

Spartech Polycom SC1-6010

Acrylonitrile Butadiene Styrene

Spartech Polycom

Message:

Spartech SC1-6010 is an ABS resin that features good dimensional stability, for injection molding and extrusion applications. It is heat stabilized and lubricated for good processing characteristics, and it exhibits good impact and chemical resistance. With the benefit of low moisture absorption, ABS can be used in a variety of environments. Being a very versatile product, SC1-6010 can be used for industrial, automotive, sporting goods and electrical/electronic applications.

General Information	
Additive	heat stabilizer
	Lubricant
Features	Good dimensional stability
	Low hygroscopicity
	Impact resistance, good
	Workability, good
	Good chemical resistance
	Thermal Stability
	Thermal stability, good
	Lubrication
Uses	Electrical/Electronic Applications
	Industrial application
	Application in Automobile Field
	Sporting goods
Appearance	Available colors
	Natural color
Forms	Particle
Processing Method	Extrusion
	Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	42.1	MPa	ASTM D638
Flexural Modulus (23°C)	2340	MPa	ASTM D790
Flexural Strength (Yield, 23°C)	72.4	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method

Notched Izod Impact (23°C)	410	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	92.0	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	87.8	°C	
Drying Time	2.0 - 4.0	hr	
Rear Temperature	210 - 240	°C	
Middle Temperature	215 - 245	°C	
Front Temperature	220 - 250	°C	
Nozzle Temperature	218 - 260	°C	
Processing (Melt) Temp	218 - 260	°C	
Mold Temperature	43.3 - 65.6	°C	

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