

Spartech Polycom SC1-6012

Acrylonitrile Butadiene Styrene

Spartech Polycom

Message:

Spartech Polycom SC1-6012 is an acrylonitrile butadiene styrene (ABS) product. It can be processed by injection molding and is available in North America. Application areas of Spartech Polycom SC1-6012 include electrical/electronic applications, electrical appliances, home applications, automotive industry and commercial/office supplies.

- Features include:
- flame retardant/rated flame
 - Impact modification
 - high gloss
 - Impact resistance

General Information			
Additive	Impact modifier		
Features	Impact modification		
	Highlight		
	Impact resistance, high		
Uses	Computer components		
	Electrical appliances		
	Household goods		
	Application in Automobile Field		
	Business equipment		
	Medical equipment		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.40 - 0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2520	MPa	ASTM D638
Tensile Strength (Break)	42.7	MPa	ASTM D638
Flexural Modulus	2590	MPa	ASTM D790
Flexural Strength (Yield)	72.4	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	330	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	73.9	°C	ASTM D648
Flammability	Nominal Value	Test Method	
Flame Rating	HB	UL 94	

Injection	Nominal Value	Unit
Drying Temperature	87.8 - 93.3	°C
Drying Time	2.0 - 4.0	hr
Rear Temperature	188 - 199	°C
Middle Temperature	210 - 221	°C
Front Temperature	221 - 232	°C
Nozzle Temperature	232 - 260	°C
Processing (Melt) Temp	232 - 260	°C
Mold Temperature	48.9 - 71.1	°C

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