

Spartech Polycom SC1F-4090

Acrylonitrile Butadiene Styrene

Spartech Polycom

Message:

Spartech Polycom SC1F-4090 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 SC1F-4090 include electrical/electronic applications and commercial/office supplies.

- Features include:
- flame retardant/rated flame
 - Flame Retardant
 - Impact modification
 - Impact resistance

General Information			
Additive	Impact modifier		
	Flame retardancy		
Features	Impact modification		
	Medium impact resistance		
	Flame retardancy		
Uses	Computer components		
	Electrical/Electronic Applications		
	Business equipment		
Appearance	Available colors		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.23	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.50 - 0.80	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2070	MPa	ASTM D638
Tensile Strength (Break)	41.4	MPa	ASTM D638
Flexural Modulus	2280	MPa	ASTM D790
Flexural Strength (Yield)	68.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	210	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	76.7	°C	ASTM D648
Flammability	Nominal Value	Test Method	
Flame Rating	V-0	UL 94	

Injection	Nominal Value	Unit
Drying Temperature	87.8 - 93.3	°C
Drying Time	2.0 - 4.0	hr
Rear Temperature	171 - 182	°C
Middle Temperature	199 - 210	°C
Front Temperature	210 - 221	°C
Nozzle Temperature	193 - 232	°C
Processing (Melt) Temp	193 - 232	°C
Mold Temperature	54.4 - 71.1	°C

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Recommended distributors for this material

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