

Spartech Polycom SC1-7010

Acrylonitrile Butadiene Styrene

Spartech Polycom

Message:

Spartech SC1-7010 is a high flow, high impact 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, SC1-7010 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, high		
	Workability, good		
	High liquidity		
	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	1.03	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	37.2	MPa	ASTM D638
Flexural Modulus (23°C)	2070	MPa	ASTM D790
Flexural Strength (Yield, 23°C)	66.2	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	450	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	90.0	°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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