

Spartech Polycom SC5-4420

Polypropylene Copolymer

Spartech Polycom

Message:

Spartech SC5-4420 is a medium viscosity PP copolymer resin for injection molding that features 20% talc reinforcement. It is heat stabilized and lubricated for good processing characteristics.

Polypropylene is a versatile thermoplastic offering a useful balance of heat and chemical resistance, good mechanical and electrical properties and processing ease. PP is resistant to deformation at elevated temperatures and resistant to impact at low temperatures.

A very versatile product for a wide variety of applications, Spartech SC5-4420 is recommended for industrial, transportation, sporting goods and electrical/electronic applications.

General Information			
Filler / Reinforcement	Talc filler, 20% filler by weight		
Additive	heat stabilizer		
	Lubricant		
Features	Copolymer		
	Workability, good		
	Good electrical performance		
	Low temperature impact resistance		
	Good chemical resistance		
	Heat resistance, high		
	Thermal Stability		
	Thermal stability, good		
	Lubrication		
	Medium viscosity		
Uses	Electrical/Electronic Applications		
	Industrial application		
	Application in Automobile Field		
	Sporting goods		
Appearance	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR)	20	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	23.4	MPa	ASTM D638
Flexural Modulus (23°C)	655	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	69	J/m	ASTM D256

Injection	Nominal Value	Unit
Drying Temperature	90.6	°C
Drying Time	1.0	hr
Rear Temperature	216 - 227	°C
Middle Temperature	221 - 232	°C
Front Temperature	227 - 238	°C
Nozzle Temperature	232 - 243	°C
Processing (Melt) Temp	204 - 260	°C
Mold Temperature	26.7 - 37.8	°C

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