

Spartech Polycom SC5-3420

Polypropylene Homopolymer

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Message:

Spartech SC5-3420 is a medium viscosity PP homopolymer 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.

A very versatile product for a wide variety of applications, Spartech SC5-3420 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	Homopolymer		
	Workability, good		
	Good electrical performance		
	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)	13	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	29.6	MPa	ASTM D638
Flexural Modulus (23°C)	1690	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method

Notched Izod Impact (23°C)	37	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	85.0	°C	ASTM D648
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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