

Spartech Polycom SC5-3220

Polypropylene Homopolymer

Spartech Polycom

Message:

Spartech SC5-3220 is a medium viscosity PP homopolymer resin for injection molding that features 20% glass fiber 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 SC5-3220 is recommended for industrial, transportation, sporting goods and electrical/electronic applications.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 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)	5.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	43.4	MPa	ASTM D638
Flexural Modulus (23°C)	3100	MPa	ASTM D790
Flexural Strength (23°C)	72.4	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	64	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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Recommended distributors for this material

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