

Spartech Polycom SC5-2025

Polypropylene Copolymer

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Message:

Spartech SC5-2025 is a high viscosity PP copolymer resin for injection/extrusion molding that features excellent process stability, superior toughness, and good impact strength. This product complies with FDA regulations and thus may be safely used in food contact and packaging applications. 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 SC5-2025 is recommended for packaging, houseware and consumer product applications.

General Information	
Features	Copolymer
	Impact resistance, high
	Workability, good
	Good electrical performance
	Low temperature impact resistance
	Good chemical resistance
	Heat resistance, high
	Good toughness
	Compliance of Food Exposure
	Viscosity, High
Uses	Packaging
	Household goods
Agency Ratings	FDA Food Exposure, Not Rated
Appearance	Available colors
	Natural color
Forms	Particle
Processing Method	Extrusion
	Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.898	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	4.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	26.8	MPa	ASTM D638
Flexural Modulus (23°C)	1290	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	130	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	100	°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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Recommended distributors for this material

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