

Spartech Polycom SCR5-2020

Polypropylene Copolymer

Spartech Polycom

Message:

Spartech SCR5-2020 is a high viscosity PP copolymer resin for injection/extrusion molding that features excellent process stability, superior toughness, and high stiffness. It also exhibits excellent cleanliness and color stability. 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 SCR5-2020 is recommended for packaging, houseware and consumer product applications.

General Information			
Features	Pure/High Purity		
	Rigid, good		
	Copolymer		
	Workability, good		
	Good electrical performance		
	Good color stability		
	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)	21.4	MPa	ASTM D638

Flexural Modulus (23°C)	965	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	690	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	80.0	°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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