

Sypex S1420GN

Styrene Acrylonitrile
Ginar Technology Co., LTD.

Message:

Sypex S1420GN is a 20 % glass fiber reinforced SAN product for injection moulding in natural colour

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 20% filler by weight		
Features	Highlight		
	Good formability		
	Good electrical performance		
	Good chemical resistance		
	Good wear resistance		
	Good weather resistance		
	Fuel resistance		
	Heat resistance, high		
	Oil resistance		
Appearance	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792, ISO 1183
Molding Shrinkage - Flow (1.60 mm)	0.10 - 0.30	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	83.0	MPa	ISO 527-2
Tensile Strain (Break)	1.2	%	ISO 527-2
Flexural Modulus	6380	MPa	ISO 178
Flexural Stress	112	MPa	ISO 178
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	100	°C	ASTM D648, ISO 75-2/A
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm)	HB		UL 94
Additional Information			
Notched Izod Impact Strength, ISO 180/1, notch 0.25in: 59 J/m			
Injection	Nominal Value	Unit	
Rear Temperature	215 - 235	°C	
Middle Temperature	215 - 235	°C	
Front Temperature	215 - 235	°C	

Nozzle Temperature	220 - 230	°C
Mold Temperature	30.0 - 100	°C
Injection Pressure	50.0 - 120	MPa
Injection Rate	Moderate-Fast	
Holding Pressure	30.0 - 80.0	MPa
Back Pressure	0.00 - 0.300	MPa
Screw Speed	60 - 120	rpm

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Recommended distributors for this material

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