Vyncolit® SI 9002N

Silicone

Vyncolit N.V.

Message:

SI 9002N is a short fiberglass reinforced silicone molding compound, which offers moderate strength properties, and dimensional stability and excellent long-term thermal stability at elevated temperatures.

General Information			
Filler / Reinforcement	Glass fiber reinforced material		
Features	Good dimensional stability		
	Good strength		
	Thermal stability, good		
Appearance	Red		
	Grey		
Forms	Particles		
Processing Method	Resin transfer molding		
	Compression molding		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.90	g/cm³	ASTM D792
Molding Shrinkage - Flow (Compression Molded)	0.50 - 0.80	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.16	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	90		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break, Compression	27.0		
	27.0	мра	ASTM D638
	52.0	мра	ASTM D790
	52.0	мра	ASTM D790
	88.0		ASTM D695
		Unit	Test Method
Molded)	22	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8			
MPa, Unannealed, Compression Molded)	282	°C	ASTM D648
CLTE - Flow	3.3E-5	cm/cm/°C	ASTM E831
Thermal Conductivity	0.81	W/m/K	ASTM C177

Nominal Value	Unit	Test Method
		ASTM D149
9.5	kV/mm	ASTM D149
8.8	kV/mm	ASTM D149
210	sec	ASTM D495
	Nominal Value 9.5 8.8 210	Nominal Value Unit 9.5 kV/mm 8.8 kV/mm 210 sec

Additional Information

All ASTM properties listed were tested in accordance with ASTM D5948.The value listed as Thermal Conductivity, ASTM C177, was tested in accordance with ASTM C518.Powder Density, ASTM D1895: 0.9 g/cm³Water Absorption, ASTM D570, 48 hrs, 50°C: 0.39%DTUL @264psi - Unannealed, ASTM D648, Post Baked, Compression Molded: >282°CDielectric Strength, ASTM D149, 60 Hz, Method B, wet: 8.8 kV/mmDielectric Strength, ASTM D149, 60 Hz, Method A, wet: 9.5 kV/mm

NOTE	
1.	Method A (short time)
2.	Method B (step by step)

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

