

DESCRIPTION

SG Series Spin-Glas® is an efficient thermal and acoustical insulation blanket made from rotary-process glass fibers bonded with a thermosetting resin.

The range of density and thickness of SG Series Spin-Glas permits the optimization of thermal, acoustical, and space requirements. These resilient fiberglass blankets resist damage and are easily cut with a knife, shear, or steel rule die. The insulation readily conforms to curved and irregular shapes. The blankets do not contribute to or absorb odors.

STANDARD THICKNESSES AND DENSITIES

Type	Density		Thicknesses*		Width	
	pcf	kg/m ³	in	mm	in	mm
SG 32	0.65	10.41	0.5 - 4	13 - 102	24 - 72	607 - 1829
SG 30	0.75	12.01				
SG 28	0.85	13.62				
SG 26	1.00	16.02				
SG 25	1.25	20.02				
SG 24	1.56	24.99				
SG 23	1.78	28.51				
SG 22	2.20	35.24				

*Thickness varies by density and width
**Length varies by density and thickness

CUSTOM FABRICATION

The Johns Manville nationwide network of Approved Fabricators specializes in secondary processing to supply custom parts to meet specific customer requirements. Die-cutting, laminating, special packaging and just-in-time delivery are just a few of the multiple capabilities our fabricators can provide.



SPECIFICATIONS

Temperature Limit	350°F (177°C)
Fire Hazard Classification	25 Flame Spread
ASTM E84, UL 723, and	50 Smoke Developed
CAN/ ULC S102,	
Meets NFPA 90A and 90B	

APPLICATIONS

- Refrigerators and Freezers
- Transportation
- Water Heater Retrofit Kits
- Dishwashers
- HVAC Equipment



THERMAL CONDUCTIVITY (K) Per ASTM C 518

Type	Density		Mean Temp @ 75°F (24°C)	
	pcf	kg/m ³	Btu•in/(hr•ft ² •°F)	W/m•°C
SG-34	0.60	10	0.34	0.049
SG-32	0.65	11	0.32	0.046
SG-30	0.75	12	0.30	0.043
SG-28	0.85	14	0.27	0.039
SG-26	1.04	17	0.26	0.037
SG-25	1.20	19	0.25	0.036
SG-24	1.56	25	0.24	0.035
SG-23	1.78	29	0.24	0.035
SG-22	2.20	35	0.23	0.033

ACOUSTICAL PERFORMANCE

Type "A" Mounting Sound Absorption Coefficients*

Type	Thickness		Frequency (Hz)						
	in	mm	125	250	500	1000	2000	4000	NRC**
SG-28	1	25	0.11	0.31	0.60	0.80	0.90	0.93	0.65
	2	51	0.16	0.60	0.92	0.98	0.97	1.01	0.85
	3	76	0.36	1.02	1.12	1.10	1.08	1.07	1.10
SG-26	1	25	0.09	0.30	0.60	0.77	0.89	0.93	0.65
	2	51	0.18	0.64	0.99	1.02	1.01	1.04	0.90
	3	76	0.36	0.99	1.20	1.11	1.06	1.06	1.10
SG-24	1	25	0.10	0.28	0.62	0.84	0.95	0.97	0.65
	2	51	0.22	0.71	1.03	1.08	1.05	1.02	0.95
SG-22	1	25	0.05	0.23	0.61	0.90	1.00	1.01	0.70

*Tested in accordance with ASTM C423 90a and ASTM E795 83.

**Noise reduction coefficient.


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**INSULATION SYSTEMS
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 800-426-2435

**PRODUCT & TECHNICAL
 INFORMATION**

800-654-3103

Technical specifications as shown in this literature are intended to be used as general guidelines only. Please refer to the Safety Data Sheet and product label prior to using this product. The physical and chemical properties of SG Series Spin-Glas listed herein represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Any references to numerical flame spread or smoke developed ratings are not intended to reflect hazards presented by these or any other materials under actual fire conditions.

All Johns Manville products are sold subject to Johns Manville's standard Terms and Conditions, which includes a Limited Warranty and Limitation of Remedy. For a copy of the Johns Manville standard Terms and Conditions or for information on other Johns Manville thermal insulation and systems, visit www2.jm.com/terms-conditions or call (800) 654-3103.