



SG Series Spin-Glas®

Fiber Glass Insulation

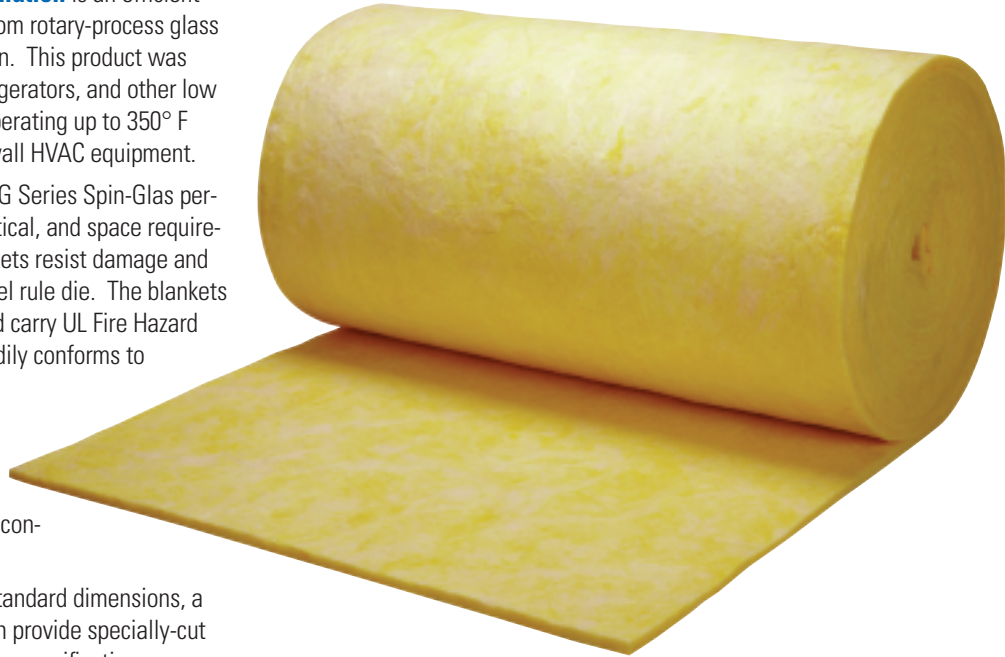
SG Series Spin-Glas appliance insulation is an efficient thermal and acoustical blanket made from rotary-process glass fibers bonded with a thermosetting resin. This product was developed specifically for freezers, refrigerators, and other low and medium temperature appliances operating up to 350° F (177° C). Also ideal for use in double-wall HVAC equipment.

The range of density and thickness of SG Series Spin-Glas permits the optimization of thermal, acoustical, and space requirements. These resilient fiber glass blankets resist damage and are easily cut with a knife, shear, or steel rule die. The blankets do not contribute to or absorb odors and carry UL Fire Hazard Classification 25/50. The insulation readily conforms to curved and irregular shapes.

SG Series Spin-Glas is available in rolls in a wide range of thicknesses and densities (see back of this sheet).

Densities are adjusted to meet thermal conductivity requirements.

Custom Fabrication. In addition to standard dimensions, a Johns Manville Approved Fabricator can provide specially-cut shapes and pieces to particular customer specifications.



SG Spin-Glas Applications:

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

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Specifications

■ Temperature Limit:

350° F (177° C)

■ Fire Hazard Classification:

25/50 (per ASTM E 84 and UL 723 and CAN/ULC S102 - M88). Labels supplied when requested on order. Meets NFPA 90A and 90B.

■ Fabricated Products:

SG Series Spin-Glas insulation is manufactured to specific customer width requirements. Contact your Johns Manville sales representative for limitations. Die-cut or fabricated pieces are generally supplied by strategically-located Johns Manville fabricators, specially equipped to provide prompt service to manufacturers in their areas.

■ For Information

Write Johns Manville Product Information Center, P.O. Box 5108, Denver, Colorado 80217-5108, or call toll-free 1-800-654-3103 (outside Colorado); (303) 978-4900 (inside Colorado).

■ Limited Warranty

All Johns Manville products are sold subject to Johns Manville's Limited Warranty and Limitation of Remedy. For a copy of the Johns Manville Limited Warranty and Limitation of Remedy, write to:

Johns Manville Product Information Center
P.O. Box 5108
Denver, CO 80217-5108

or call toll free: 1-800-654-3103 or contact your local Johns Manville sales representative.

SG Series Spin-Glas - Thermal Conductivity (k) & Density

Type	Density		Mean Temp @ 75° F (23° C)	
	pcf	kg/m ³	Btu•in./(hr.•ft. ² •°F)	W/mK
SG-28	0.85	13.6	0.27	.039
SG-26	1.04	16.6	0.26	.037
SG-25	1.20	19.2	0.25	.036
SG-24	1.56	25.0	0.24	.035
SG-23	1.78	28.5	0.24	.035
SG-22	2.20	35.2	0.23	.033

SG Series Spin-Glas - Acoustical Performance

Type "A" Mounting Sound Absorption Coefficients*

Type	Thicknesses		Frequency (Hz)						
	inches	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 C 423 90a and ASTM E 795 83

**Noise Reduction Coefficient



Johns Manville Performance Materials

P.O. Box 5108
Denver, CO 80217-5108
Internet: <http://www.jm.com>

The physical and chemical properties of Johns Manville SG Series Spin-Glas represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. The data is supplied as a technical service and is subject to change without notice. Check with your Johns Manville representative to obtain current information.