Moldable Glass Wool

Uncured Fiber Glass Blanket

Description

Moldable Glass Wool is a blanket made of glass fibers and highly specialized resin. This product is produced in an uncured state and is designed for use in applications that require excellent acoustical and thermal performance.

Applications

Moldable Glass Wool is specifically designed to be molded into hoodliners, dash insulators and other acoustical components.

Advantages

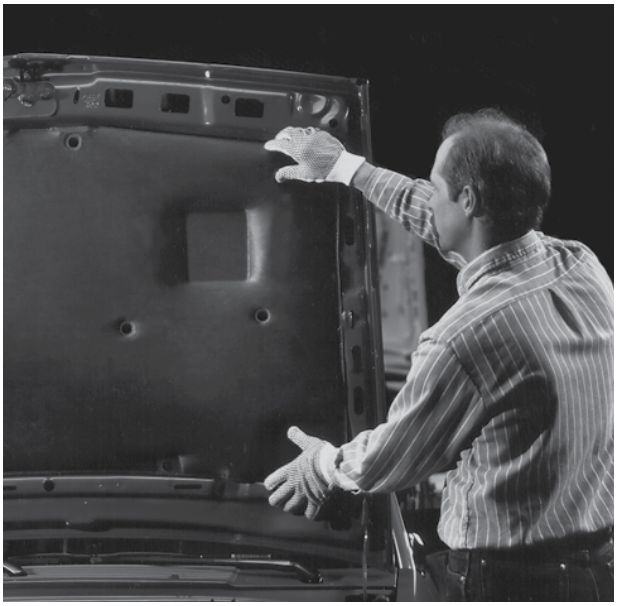
- Dimensional stability and strength
- Excellent acoustical control
- High thermal performance
- Heat resistance and low flammability
- Light weight and flexibility
- Resistance to automotive fluids
- Low moisture absorption
- Will not support microbial growth

Custom Fabrication

Fabricators specialize in secondary processing to supply custom parts to meet OEM-specific requirements. Die-cutting, laminating, special packaging and just-in-time delivery are just a few of the multiple capabilities our fabricators can provide.

Recommended Storage Conditions

Moldable Glass Wool should be stored at 40°F to 50°F (4°C to 10°C), with relative humidity between 30% and 90%, to retain molding characteristics. Depending on temperature and humidity conditions, the product will typically retain its molding characteristics for 14 to 21 days from the date of manufacture.



Product Molding Suggestions

Moldable Glass Wool uses a phenolic-based resin which cures when exposed to 325°F (163°C). Actual cure temperature and time will vary based on moisture content, density, desired finished thickness and finished part size. In all cases the product must be allowed to remove any moisture and reach 325°F (163°C) for a few seconds throughout the entire blanket. Please contact your JM Technical Representative for specific cure time and temperature for your application.

Available Forms

Moldable Glass Wool is available from Johns Manville as rolled blankets produced in weights of 38 grams to 72 grams per square foot and width combinations up to 120 inches. It is available in black or amber color options.

Flexural Strength (psi)

Thickness		Weight, (g/ft²)		
in.	mm	38	47	72
1/8	3	280	480	700
1/4	6	40	80	140
1/2	13	5	10	12
1	25	1.5	2	4

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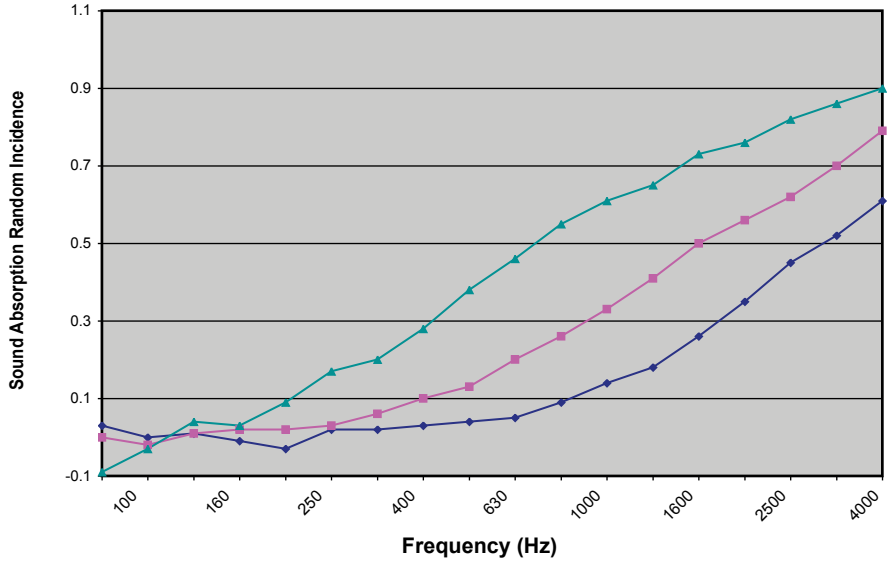
Acoustic Performance



Moldable Glass Wool

- 1/8" – 38 g/ft²
- 1/4" – 38 g/ft²
- 1/2" – 38 g/ft²

For sound absorption values for other thicknesses or weights, please contact your JM representative.

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Technical Information
(800) 458-7198

The physical and chemical properties of Moldable Glass Wool 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. Numerical flame spread and smoke developed ratings are not intended to reflect hazards presented by these or any other materials under actual fire conditions. Check with the Regional Sales Office nearest you to assure current information. **All Johns Manville products are sold subject to Johns Manville's standard Terms and Conditions including Limited Warranty and Limitation of Remedy. For a copy of the Johns Manville standard Terms and Conditions, Limited Warranty and Limitation of Remedy, and information on other Johns Manville thermal insulations and systems, call (800) 654-3103.**

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