



HEAT BARRIER MAT, GLASS FIBER BASE

SK-M99G9513-A

HEAT BARRIER MAT, GLASS FIBER BASE

▽ SK-M99G9513-B

1. SCOPE

The material defined by these specifications is a flexible quilted glass fiber mat of uniform thickness and density.

2. APPLICATION

This material was originally released for heat insulation on floor panel areas.

3. REQUIREMENTS

Material specification requirements are to be used for initial qualification of materials.

3.0 STANDARD REQUIREMENTS FOR PRODUCTION MATERIALS

Material suppliers and part producers must conform to the Company's Standard Requirements For Production Materials (WSS-M99P1111-A).

3.2 CONSTRUCTION

This material consists of a glass fiber mat, covered with a glass fiber weaving at one side and quilted in such a way, that the finished part shows no loss of cohesion during handling process and in service.

3.3 COLOR

White or as specified on the Engineering drawing

3.4 ASH, min (FLTM BV 150-10)

95%

3.5 ASSEMBLY REQUIREMENTS

3.5.1 Thickness (mm)
(ASTM C 167; except ply up 10
specimens 200 x 200 mm at 20 Pa
loading and divide by 10 for
average thickness) 5.75 +/- 15%

3.5.1.1 Density 145 kg/m³ +/- 10%

3.5.2 Compression and Recovery
(FLTM EU-BN 015-02, Method A)

Date	Action	Revisions
2006 10 18	Revised	Inserted 3.0; Deleted 3.1, 3.6 & 4
1994 12 16	Revised & Retyped	Was 7 pages
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ENGINEERING MATERIAL SPECIFICATION

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3.5.2.1	Compression	30 - 40%
3.5.2.2	Recovery, min	60%
3.5.3	Tensile Strength (ASTM D 1682, sample dimension 2C, except test speed 100 mm/minute)	
3.5.3.1	Original, min	40 N
3.5.3.2	After Heat Ageing, min (14 d at 250 C +/- 2 °C, 1 h at room temperature)	40 N
3.5.4	Heat Resistance	
	No delamination of glass fiber mat.	
	Test Method: Store 200 x 200 mm test pieces 14 days at 250 +/- 2 °C and examine for delamination of mat after cooling to room temperature.	
3.5.5	Flammability	
3.5.5.1	SK-M99G9513-A	No requirements
▽ 3.5.5.2	SK-M99G9513-B	Self-extinguishing
	In order to comply with Federal Motor Vehicle Safety Standard No. 302, the materials, portions of components, and composites shall not burn or transmit a flame across their surface, at a rate of more than 100 mm/minute. To demonstrate compliance, the sample size and method of testing shall be in accordance with FLTM EU-BN 024-02.	
3.5.6	Performance - Environmental Ageing Requirement	
	All materials, portions of components, and composites defined by this specification that have not been treated, modified or reformulated, and exceed a maximum burn rate of 75 mm per minute as specified by the Flammability Lot Sampling Plan of FLTM EU-BN 024-02, must be evaluated for permanency of the materials' flame retardant properties per SK-M99P9500-A, Table 1 according to the accelerated environmental ageing requirements applicable to the basic material category of this particular specification.	