



ENGINEERING MATERIAL SPECIFICATION

Material Name

Specification Number

ADHESIVE TAPE, IMPREGNATED FOAM
ADHESIVE TAPE, IMPREGNATED FOAMSK-M3G9515-A
DELTA SK-M3G9515-B

1. SCOPE

The material defined by this specification is a one side self-adhesive synthetic resin impregnated PUR foam tape with the adhesive side covered by a release paper. The state of material as delivered is precompressed and has a delayed resilience.

2. APPLICATION

This material was originally released for sealing of air conditioner flanges.

3. REQUIREMENTS

Note: The prepared specimens shall be relieved and conditioned for a minimum of 24 h at 23 +/- 2 C and 50 +/- 5 % relative humidity prior to test and tested under the same conditions.

3.1 IMPREGNATED FOAM

3.1.1 Color Grey to black

3.1.2 Dimensions As specified on Engineering drawing
(Slide gauge)

3.1.3 Density 140 - 175 kg/m3

3.1.4 Compression Load Deflection 2.35 +/- 0.5 kPa
(ISO/DIS 3386 of 29.8.74)

3.1.5 Compression set See Fig 1

Test Method: ASTM D 1564, Method B, 50 % compression, 22 hours at 23 +/- 2 C and 50 +/- 5 % relative humidity. Measure final thickness of test specimen 15 seconds, 30 seconds, 1 minute, 2 minute and 3 minutes after removal from apparatus.

3.1.6 Tensile Strength, min 15 N/cm2
(ASTM D 2406; except thickness of specimens 15 mm)

Date	Release No.	Released
1994 12 01		Revised and Retyped, was 10 pages
1977 03 25	SM/EQ 8216 TP	Released

WP 3948-a

Page 1 of 6

9009160 0035833 806



3.1.7 Resistance to Bleeding No bleeding of impregnating resin

Test Method: Compress 25 x 50 x 50 mm specimens in a suitable test fixture to 20 % of the original material thickness and expose for 12 hours in a mechanical convection oven maintained at 80 +/- 2 C.

3.1.8 Mildew Resistance

The material shall be free from mildew and malodor. There shall be no visible changes evident after drying.

Test Method: Place a 100 x 100 mm sample of material under test soaked with distilled water in a beaker glass of one litre capacity and cover tightly with a lid. Maintain at a temperature of 35 +/- 2 C for 14 days. Remove lid and examine as described above.

3.2 FINISHED TAPE

3.2.1 Shear Strength

Test Method: 2.5 cm² of a 25 mm wide tape shall be bonded to a polished stainless steel panel. The mating surfaces must be pressed firmly together to force out trapped air and insure a good bond. Determine shear strength at a rate of 300 mm/minute.

3.2.1.1 Original, min 8 N/cm²
(1 h after bonding)

3.2.1.2 After Ageing, max - 10 %
(14 d at 70 +/- 2 C, 1 h at room temperature)

3.2.2 Peel Strength at 1.57 rad
(ASTM D 1000)

3.2.2.1 Original, min 14 N/25 mm
(1 h at room temperature after bonding)

3.2.2.2 After Ageing, max - 10 %
(14 d at 70 +/- 2 C, 1 h at room temperature)