

ENGINEERING MATERIAL SPECIFICATION

Material Name

Specification Number

PAPER LABEL, PRESSURE SENSITIVE - LATEX IMPREGNATED

ESA-M99E6-A

1. SCOPE

The material defined by this specification is a pressure sensitive latex impregnated paper label.

2. APPLICATION

This specification was released originally for material applied to painted surfaces where exposure to oil fumes and occasional fuel spillage is expected. The labels are not recommended for exterior usage.

3. REQUIREMENTS

3.1 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 COMPOSITION

Shall be an oil resistant latex impregnated paper with a precoated adhesive backing. A protective paper covering will be placed over the adhesive and shall be readily removable to facilitate application of the label

3.3 COLOR

As specified on engineering drawing

3.4 FILM THICKNESS

(Without protective backing)

0.004-0.008 in (0.10-0.20 mm)

3.5 ADHESION, min

50 oz/in (548 N/m) of width

Test Method: Apply label with firm hand pressure to a painted steel panel and age 48 h at 23 +/- 2 °C. Remove label using the 180° peel back method with a jaw speed of 12 in (300 mm)/min.

Date	Action	Revisions
2002 09 25	Revised	Updated and renumbered
1979 01 10		Metricated, Renumbered & Retyped CAH2 823385
1963 10 10		Released AS2-389

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3.6 HUMIDITY RESISTANCE

No delamination, blushing, checking, or cracking, during exposure period or after labels are removed from cabinet and allowed to dry, and adhesion shall meet requirements of para 3.5.

Test Method: Apply label to aluminum or painted panels for 100 h at 95% R.H. and 23 +/- 2 °C.

3.7 HEAT RESISTANCE

(1 h at 102 +/- 3 °C)

No checking, cracking, yellowing and adhesion. Shall meet requirements of para 3.5.

3.8 OIL RESISTANCE

No delamination, blushing, checking, cracking, or loss of adhesion during exposure period or after labels are removed from cabinet and allowed to dry.

Test Method: Apply samples to aluminum or painted panels, wipe a film of ASTM #3 oil on label surface and age 25 h at 50 +/- 1 °C.

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