



SURFACE VEHICLE STANDARD

J913™**DEC2021**

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Revised 2004-09
Reaffirmed 2021-12

Superseding J913 MAR2010

Test Method for Wicking of Automotive Fabrics and Fibrous Materials

RATIONALE

SAE J913 has been reaffirmed to comply with the SAE Five-Year Review policy.

1. SCOPE

This SAE Standard is applicable for determining the wicking characteristics of seat fabrics, convertible tops, headlining, fiber padding, and other automotive textile materials.

2. REFERENCES

There are no referenced publications specified herein.

3. APPARATUS AND MATERIALS REQUIRED

3.1 Indelible pencil

3.2 Solutions

(a) 100 mg fluorescein dye (fluorescein sodium salt – 70% dye content) dissolved in 1000 mL of distilled water (pH 7 max).

(b) 50% fluorescein dye as in solution (a) above, 10 g of mild liquid hand dishwashing liquid detergent and 1000 mL of distilled or deionized water.

(c) Distilled water or deionized water.

3.3 Apparatus for Suspending Specimens in Beakers

3.4 UV Lamp

4. TEST SPECIMENS

Cut strips of material to be tested 200 mm long and 51 mm wide, one set in the machine direction and another set in the cross-machine direction, then condition at $23\text{ }^{\circ}\text{C} \pm 2\text{ }^{\circ}\text{C}$ and $50\% \pm 5\%$ relative humidity for 24 h. Use a separate beaker for each sample.

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