



SURFACE VEHICLE STANDARD

J913™**DEC2021**

Issued 1965-07
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.

SAE Executive Standards Committee Rules provide that: "This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user."

SAE reviews each technical report at least every five years at which time it may be revised, reaffirmed, stabilized, or cancelled. SAE invites your written comments and suggestions.

Copyright © 2021 SAE International

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of SAE.

TO PLACE A DOCUMENT ORDER: Tel: 877-606-7323 (inside USA and Canada)
Tel: +1 724-776-4970 (outside USA)
Fax: 724-776-0790
Email: CustomerService@sae.org
http://www.sae.org

SAE WEB ADDRESS:

For more information on this standard, visit
https://www.sae.org/standards/content/J913_202112