

RESISTANCE TO SCUFFING**Application**

This procedure is used to determine the resistance to scuffing of materials such as painted substrates, vinyl, genuine leather and luggage compartment mats.

Apparatus Required**Abraser**

* Taber Model 174, 503, 505 or equivalent, which meet the requirements of ASTM D 1175.

Specimen Holder

* Catalog Number E-140-15, (108 mm O.D.)

Hold Down Ring

* Catalog Number E-100-101, (108 mm I.D.)

Rubber Pad

* Catalog Number S-19

Clamp Plates

54 mm O.D. for textile fabrics, genuine leather and coated fabrics.

32 mm O.D. for carpets and other floor covering materials.

* Source: Teledyne Taber
 Tonawanda, New York, 14120

Apparatus Required**Scuffing Head**

* Catalog Number 503-13

The special scuffing heads required for this test. The hinged rear arm of the scuffing head is designed to fit over the support for the left arm and wheel of the abraser. The hinge may require modification for different model abrasers but when properly located, should position the scuffing head so that its vertical center line is 32 mm from the center pin of the specimen holder and in horizontal alignment with the center pin on the left side.

Date	Action	Revisions
2001 09 24	Revised	Editorial – no technical change A. Cockman
1991 04 12		

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* Source: Teledyne Taber
455 Bryant St.
P.O. Box 164
North Tonawanda, New York 14120

Details of components 1 - 12 required for the Scuffing Head fixture assembly may be obtained from the following:

Materials Engineering Office
Body Engineering Office
17000 Oakwood Blvd.
Allen Park, MI 48101

Materials Engineering Testing & Standards
20000 Rotunda
P.O. Box 2053.
Bldg. #3, Mail Drop 3033
Dearborn, MI 48121-2053

Conditioning and Test Conditions

All test values indicated herein are based on material conditioned in a controlled atmosphere of 23 +/- 2 °C and 50 +/- 5 % relative humidity for not less than 24 h prior to testing and tested under the same conditions unless otherwise specified.

Procedure

1. Prepare and mount the specimen as described in Ford Laboratory Test Method BN 108-02.
2. Mount the special scuffing head (A or B) as designated by the Engineering Specification in place of the wheels and weights normally used.
3. Start the machine and scuff the test specimen for the number of cycles and under the loads specified by the Engineering Specification.
4. At the completion of the required number of cycles, remove the sample and evaluate according to the Engineering Specification.

Chemicals, materials, parts, and equipment referenced in this document must be used and handled properly. Each party is responsible for determining proper use and handling in its facilities.