Ford Motor Company

# FORD LABORATORY TEST METHOD EU BN 052-02

## STIFFNESS TEST FOR FIBRE PADDINGS

### Application

This method is used to determine the stiffness of treated and untreated fibre paddings and similar materials.

### Apparatus Required

**Stiffness Tester**

According to drawing.

### 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. Cut 6 specimens 300 x 50 mm in size, 3 in the longitudinal and 3 in the transverse direction.

2. Place the specimen on the test equipment so that the smaller dimension is in line with the front edge of the platform.

3. Move the specimen forward in the direction of the centimetre scale without any additional load until the leading edge of the specimen just touches this scale. This procedure must be completed within 3 seconds. Record the value at the point that the specimen touches the scale.

**Evaluation**

Report the stiffness for both the longitudinal and transverse specimens as the average of the three scale readings obtained in each direction.

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.

| Date | Action | Revisions |
|---|---|---|
| | | |
| 2001 09 17 | Revised | Editorial – no technical change A. Cockman |
| 1994 02 28 | | |



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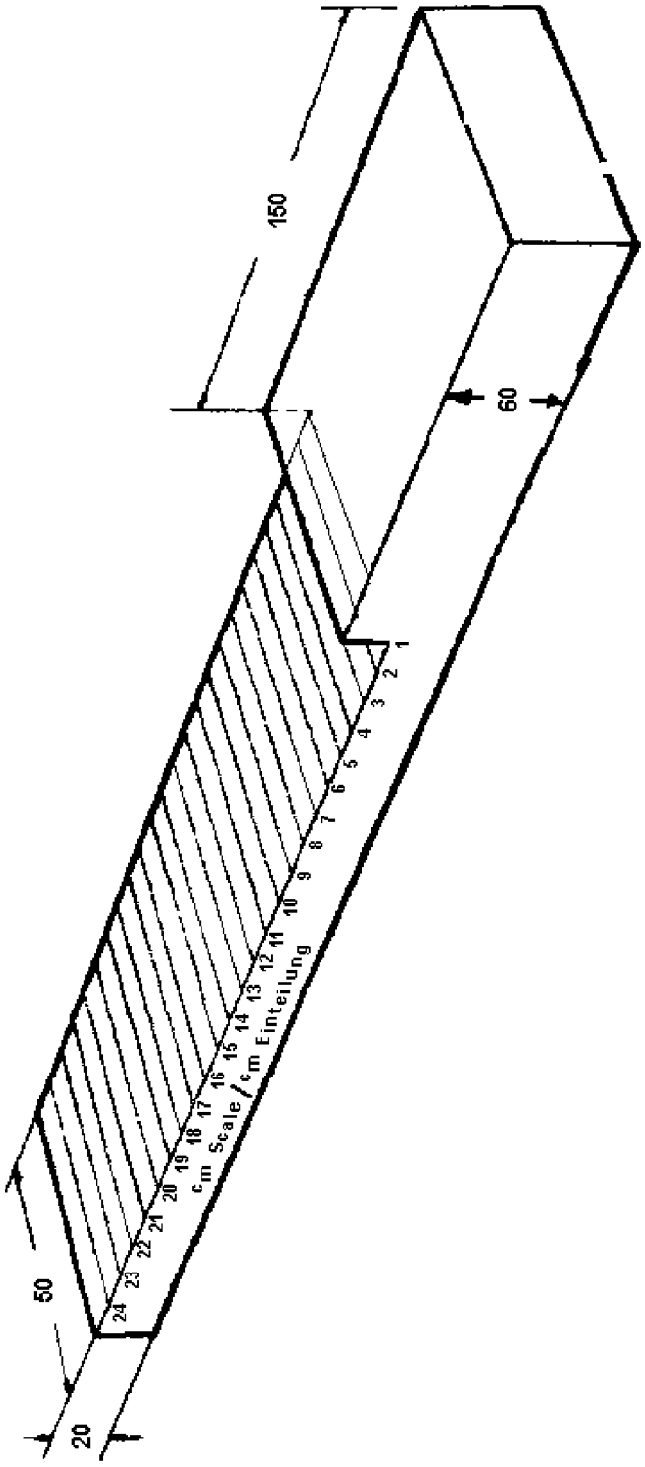


The surface of the upper plate must be smooth and must allow the specimen to slide freely.



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