



**PIA Test Method 5202
19 April 2004**

**Renamed and
SUPERSEDING
FED STD 191
Test Method 5202
20 July 1978**

The following commercial specification is adopted from the military document referenced without change to the content.

Note: Although many military quality and inspection specifications, drawings and standards have been discontinued or deleted, most have been replaced by industry and commercial documents. When the specification refers to a discontinued or deleted document, you should refer to the procurement document or your contracting officer for guidance.

STIFFNESS OF CLOTH, DIRECTIONAL; CANTILEVER BENDING METHOD

1. SCOPE

1.1 This method is intended for determining the directional flexstiffness of cloth by employing the principle of cantilever bending of the cloth. Small differences in stiffness may be determined by this method, but it is not well suited for testing extremely pliable fabrics.

2. TEST SPECIMEN

2.1 Unless otherwise specified in the procurement document, the specimen shall be a rectangle of cloth 2 inches by 1 inch (51 mm by 25 mm) with the long dimension parallel to the yarns to be tested. The specimen shall be cut from the smoothest area possible which has not been previously folded or in any manner deformed.

3. NUMBER OF DETERMINATIONS

3.1 Unless otherwise specified in the procurement document, ten specimens in each of the warp and filling directions shall be tested from each sample unit.

4. APPARATUS (see Figure 5202)

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