

ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION R 1958

CARPETS

DETERMINATION OF MASS OF TOTAL PILE YARN
PER UNIT AREA

1st EDITION

April 1971

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BRIEF HISTORY

The ISO Recommendation R 1958, *Carpets – Determination of mass of total pile yarn per unit area*, was drawn up by Technical Committee ISO/TC 38, *Textiles*, the Secretariat of which is held the British Standards Institution (BSI).

Work on this question led to the adoption of Draft ISO Recommendation No. 1958, which was circulated to all the ISO Member Bodies for enquiry in April 1970. It was approved, subject to a few modifications of an editorial nature, by the following Member Bodies :

Australia	Israel	Sweden
Belgium	Japan	Switzerland
Brazil	Korea, Rep. of	Thailand
Chile	Netherlands	Turkey
Denmark	New Zealand	U.A.R.
France	Norway	United Kingdom
Germany	Poland	U.S.S.R.
India	South Africa, Rep. of	
Iran	Spain	

The following Member Body opposed the approval of the Draft :

U.S.A.

This Draft Recommendation was then submitted by correspondence to the ISO Council, which decided to accept it as an ISO RECOMMENDATION.

CARPETS

DETERMINATION OF MASS OF TOTAL PILE YARN PER UNIT AREA

1. SCOPE

This ISO Recommendation describes a method for the determination of the mass of total pile yarn per unit area and is applicable to all pile carpets with an untreated back.

2. PRINCIPLE

A known area of the carpet is weighed and dissected completely. The pile yarn is separated from the other components and each is weighed separately.

3. APPARATUS

- 3.1 *Balance*, accurate to 1 mg.
- 3.2 *Dissecting needles and forceps*.
- 3.3 *Rule*, graduated in millimetres.
- 3.4 *Scissors or sharp pointed knife*.

4. ATMOSPHERE FOR CONDITIONING AND TESTING

The atmosphere for conditioning and testing should be one of the standard atmospheres for testing specified in ISO Recommendation R 139, *Standard atmospheres for conditioning and testing textiles*.

5. TEST SPECIMENS

- 5.1 Cut out, using scissors or a sharp pointed knife, three squares each approximately 150 mm × 150 mm, selecting them according to the standard procedure described in ISO Recommendation R 1957, *Machine-made textile floor coverings — Sampling and cutting specimens for physical tests*. Trim them so that each side of each specimen is formed by a complete row of pile or line of stitches.
- 5.2 Condition the specimens to constant mass in the standard atmosphere for testing (see section 4). Alternatively, condition the specimens in this atmosphere for a period of 72 hours.
- 5.3 Measure the length and width at four places on the back of each specimen, to the nearest millimetre.