

STANDARD METHODS OF TESTING AND TOLERANCES FOR WOOLEN YARNS¹



A.S.T.M. Designation: D 403 - 44

ADOPTED, 1936; REVISED, 1938, 1944.²

This Standard of the American Society for Testing Materials is issued under the fixed designation D 403; the final number indicates the year of original adoption as standard or, in the case of revision, the year of last revision.

Scope

1. These methods of testing and tolerances apply to single or plied woolen yarns of any of the following three types:

Scoured Spun-in-Oil Yarn, made from thoroughly scoured wool to which oil has been added,

Semiscoured Spun-in-Oil Yarn, made from wool which has been washed at the source but not scoured, and to which oil has been added, and

Dry-Spun Yarn, made from thoroughly scoured wool without the addition of oil.

Materials and Workmanship

2. The yarn shall be reasonably clean and free from slubs and shall be reasonably uniform in diameter in view of the purpose for which it is to be used.

Packing and Marking

3. Each case, beam, or other package of yarn shall be plainly marked with the name of the seller, the net and gross

weights, and some means of identifying the contract under which it was delivered.

Weight of Shipment

4. The net weight of the shipment of yarn shall be calculated to the basis of commercial regain.

Extractable Matter

5. Scoured spun-in-oil yarn shall contain not more than 7 per cent of extractable matter; semiscoured spun-in-oil yarn, not more than 15 per cent of extractable matter; and dry-spun yarn, not more than 2 per cent of extractable matter.

DEFINITIONS

Wool

6. The word wool shall be used in these methods in the generic sense and includes *reprocessed* and *reused* wool as defined in the Wool Products Labeling Act:

(a) *Wool*.—The term "wool" means the fibers from the fleece of the sheep or lamb, or hair of the angora or cashmere goat (and may include the so-called specialty fibers from the hair of the

¹ Under the standardization procedure of the Society, these methods are under the jurisdiction of the A.S.T.M. Committee D-13 on Textile Materials.

² Prior to adoption as standard, these methods were published as tentative from 1934 to 1936, being revised in 1935. Editorially revised and rearranged in 1939.