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Standard Methods of Testing FABRICS WOVEN FROM POLYOLEFIN MONOFILAMENTS¹

This standard is issued under the fixed designation D 3334; the number immediately following the designation indicates the year of original adoption, or in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval.

1. Scope

1.1 These methods cover the characterization of fabrics woven from polyolefin monofilaments.

1.2 The methods appear as follows:

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NOTE 1—For methods of testing and specifications for polyolefin monofilaments, refer to Specification D 3218, for Polyolefin Monofilaments.²

2. Applicable Documents

2.1 ASTM Standards:

- D 76 Specification for Tensile Testing Machines for Textiles³
- D 123 Definitions of Terms Relating to Textiles³
- D 1248 Specification for Polyethylene Plastics Molding and Extrusion Materials⁴
- D 1682 Tests for Breaking Load and Elongation of Textile Fabrics²
- D 1776 Practice for Conditioning Textiles and Textile Product for Testing³
- D 1910 Test for Construction Characteristics of Woven Fabrics²
- D 2146 Specification for Polypropylene Plas-

tic Molding and Extrusion Materials⁴

D 2565 Recommended Practice for Operating Xenon-Arc Type (Water-Cooled) Light- and Water-Exposure Apparatus for Exposure of Plastics⁵

G 23 Recommended Practice for Operating Light- and Water-Exposure Apparatus (Carbon-Arc Type) for Exposure of Non-metallic Materials⁶

2.2 Other Documents:

Federal Test Method Standard No. 141a, Sept. 1, 1965, Section 6000, Method 6101, 60 Degree Specular Gloss⁷

TAPPI Test Method T 503, Coefficient of Static Friction of Shipping Sack Papers (Inclined-Plane Method)⁸

3. Definitions

3.1 *breaking load, n.*—the maximum force applied to a specimen in a tensile test carried to rupture.

3.1.1 Force is commonly expressed in grams-force (gf), kilograms-force (kgf), pounds-force (lbf), newtons (N), or millinewtons (mN).

¹ These methods are under the jurisdiction of ASTM Committee D-13 on Textiles, and are the direct responsibility of Subcommittee D13.59 on Fabric Test Methods. General.

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² Annual Book of ASTM Standards, Part 32.

³ Annual Book of ASTM Standards, Parts 32 and 33.

⁴ Annual Book of ASTM Standards, Part 36.

⁵ Annual Book of ASTM Standards, Part 35.

⁶ Annual Book of ASTM Standards, Part 41.

⁷ Available from the Superintendent of Documents, U. S. Government Printing Office, Washington, D.C. 20402.

⁸ Available from the Technical Association of Pulp and Paper Industry, One Dunwoody Park, Atlanta, Ga. 30341.