



Standard Specification for Paper Napkins for Industrial and Institutional Use¹

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1. Scope

1.1 This specification describes various sizes and folds of paper napkins for purchasers, such as government agencies, school boards, and industry.

1.2 This specification covers virgin, recycled, and recycled content paper products (see X1.2).

1.3 The values stated in inch-pound units are to be regarded as the standard. The SI units given in parentheses are for information only.

NOTE 1—As appropriate, reference Test Method D 828.

1.4 The following safety hazards caveat pertains only to the test method portion, Section 9, of this specification. *This standard does not purport to address all of the safety problems, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.*

2. Referenced Documents

2.1 ASTM Standards:

D 685 Practice for Conditioning Paper and Paper Products for Testing²

D 828 Test Method for Tensile Properties of Paper and Paperboard Using Constant-Rate-of-Elongation Apparatus²

D 1968 Terminology Relating to Paper and Paper Products²

2.2 TAPPI Standards:

T 402 Standards Conditioning and Testing Atmospheres for Paper, Board, Pulp Handsheets, and Related Products³

T 404 Tensile Breaking Strength and Elongation of Paper and Paperboard (Using Pendulum-Type Tester)³

T 410 Grammage of Paper and Paperboard (Weight per Unit Area)³

T 432 Water Absorbency of Bibulous Papers³

T 452 Brightness of Pulp, Paper and Paperboard (Directional Reflectance at 457 nm)³

¹ This specification is under the jurisdiction of ASTM Committee D-6 on Paper and Paper Products and is the direct responsibility of Subcommittee D06.10 on Consumer Paper Products.

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² Annual Book of ASTM Standards, Vol 15.09.

³ Available from the Technical Association of the Pulp and Paper Industry, P.O. Box 105113, Atlanta, GA 30348.

T 494 Tensile Breaking Properties of Paper and Paperboard (Using Constant Rate of Elongation Apparatus)³

3. Terminology

3.1 Definitions:

3.1.1 Definitions shall be in accordance with Terminology D 1968 and the *Dictionary of Paper*.⁴

4. Classification

4.1 The paper napkins shall be folded and shall conform to the following classes and styles:

4.1.1 Classes:

4.1.1.1 *One-Ply*—Light weight, standard weight, heavy weight.

4.1.1.2 *Two-Ply*.

4.1.1.3 *Three-Ply*—As shown in Table 1.

4.1.2 Styles:

4.1.2.1 Cocktail or beverage,

4.1.2.2 Luncheon, and

4.1.2.3 Dinner napkins.

4.1.2.4 These paper napkin styles can be for dispenser or bulk. See Table 2.

5. Ordering Information

5.1 Orders for napkins based on this specification shall specify the class, style, size, type of fold, and color.

6. Chemical Composition

6.1 Napkins supplied in accordance with this specification shall be unglazed with the fiber content or recycled fiber content, or both, to be agreed upon between the buyer and the seller.

7. Physical Properties

7.1 The average value of each characteristic shall meet the requirements specified in Table 1.

7.2 *Workmanship*—Napkins shall be embossed and made in accordance with 8.1 with respect to holes, tears, foreign materials, cleanliness and wrinkles. Edges shall be evenly cut and not ragged.

7.3 *Dimensions*—Average dimensions shall be in accordance with Table 2.

⁴ Available from the American Paper Institute, Inc., 260 Madison Avenue, New York, NY 10016.