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Standard Specification for RIGID POLY(VINYL CHLORIDE-VINYL ACETATE) PLASTIC SHEET¹

This standard is issued under the fixed designation D 2123; 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. A superscript epsilon (ϵ) indicates an editorial change since the last revision or reapproval.

1. Scope

1.1 This specification covers rigid unsupported poly(vinyl chloride-vinyl acetate) sheet 6.4 mm (0.25 in.) or less in thickness.

1.2 The poly(vinyl chloride-vinyl acetate) plastic sheet covered herein includes stabilizer and other additives to meet the requirements of this specification.

1.3 The values stated in SI units are to be regarded as the standard.

2. Applicable Documents

2.1 ASTM Standards:

D 1784 Specification for Rigid Poly(Vinyl Chloride) (PVC) Compounds and Chlorinated Poly(Vinyl Chloride) (CPVC) Compounds²

D 1898 Recommended Practice for Sampling of Plastics³

D 3892 Practice for Packaging/Packing of Plastics³

2.2 Military Standard:

MIL-STD-105 Sampling Procedures and Tables for Inspection by Attributes⁴

3. Significance and Use

3.1 This specification defines two types of poly(vinyl chloride-vinyl acetate) sheets. The stipulated tests are intended to identify the type of the material and to ensure good workmanship and quality. The results are not necessarily suitable for direct application in design because of differences encountered in the shape of part, loading, size, environmental conditions, etc. The requirements can be used for inspection and quality control tests, provided that the specified test methods and apparatus are used.

3.2 Sheets are available, compounded differ-

ently, for which properties not included in this specification are required. These sheets will be added to the specification as their inclusion becomes generally desirable and the necessary information becomes available.

4. Classification

4.1 This specification covers the following two types of rigid plastic sheet which are based on the compounds identified in Table A2 of the appendix to Specification D 1784.

4.1.1 *Type I*—Sheets having the highest requirements for mechanical properties, other than impact strength. Within this type, Grade 1 is unmodified except for lubricants, stabilizers, and pigments essential for processing and coloring. Grade 2 is likewise unmodified except for ingredients essential for maximum clarity and minimum color; Grade 2 is normally used for transparent colorless products.

4.1.2 *Type II*—Sheets modified for higher impact strength; tensile strength and modulus are lower than for Type I materials. Within this type, three grades of progressively greater impact strength are provided.

5. General Requirements

5.1 The material shall be of uniform composition and so compounded as to conform to the requirements of this specification. The ma-

¹ This specification is under the jurisdiction of ASTM Committee D-20 on Plastics and is the direct responsibility of Subcommittee D20.19 on Sheeting.

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² *Annual Book of ASTM Standards*, Parts 34 and 36.

³ *Annual Book of ASTM Standards*, Part 35.

⁴ Available from Naval Publications and Forms Center, 5801 Tabor Ave., Philadelphia, Pa. 19120.