



Standard Specification for Rigid Poly(Vinyl Chloride) (PVC) Interior-Profile Extrusions¹

This standard is issued under the fixed designation D3678; 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 establishes requirements for the material properties, including dimensional stability and extrusion quality, of rigid, poly(vinyl chloride) (PVC) interior-profile extrusions. Methods for identifying interior-profile extrusions that comply with the requirements of this specification are provided.

1.2 Use of rigid PVC recycled plastic is permitted in accordance with the requirements of Sections 6 and 7.

1.3 Rigid PVC compounds for interior building product applications are covered in Specification D1784.

1.4 Rigid PVC exterior profile extrusions for assembled windows and doors are covered in Specification D4726.

1.5 The text of this standard references notes and footnotes which provide explanatory material. These notes and footnotes (excluding those in Tables and Figures) shall not be considered as requirements of this standard.

1.6 The values stated in SI units are to be regarded as the standard. The values given in parentheses are given for information only.

NOTE 1—Information with regard to application should be obtained from the manufacturers of the profiles.

NOTE 2—There is no known ISO equivalent to this standard.

1.7 The following precautionary caveat pertains only to the test method portion, Section 8, of this specification: *This standard does not purport to address all of the safety concerns, 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.*

¹ This specification is under the jurisdiction of ASTM Committee D20 on Plastics and is the direct responsibility of Subcommittee D20.24 on Plastic Building Products.

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2. Referenced Documents

2.1 ASTM Standards:²

- D618 Practice for Conditioning Plastics for Testing
- D696 Test Method for Coefficient of Linear Thermal Expansion of Plastics Between –30°C and 30°C with a Vitreous Silica Dilatometer
- D883 Terminology Relating to Plastics
- D1042 Test Method for Linear Dimensional Changes of Plastics Caused by Exposure to Heat and Moisture
- D1600 Terminology for Abbreviated Terms Relating to Plastics
- D1784 Specification for Rigid Poly(Vinyl Chloride) (PVC) Compounds and Chlorinated Poly(Vinyl Chloride) (CPVC) Compounds
- D2152 Test Method for Adequacy of Fusion of Extruded Poly(Vinyl Chloride) (PVC) Pipe and Molded Fittings by Acetone Immersion
- D3892 Practice for Packaging/Packing of Plastics
- D4726 Specification for Rigid Poly(Vinyl Chloride) (PVC) Exterior-Profile Extrusions Used for Assembled Windows and Doors
- D4968 Guide for Annual Review of Test Methods and Specifications for Plastics
- D7209 Guide for Waste Reduction, Resource Recovery, and Use of Recycled Polymeric Materials and Products
- E631 Terminology of Building Constructions

3. Terminology

3.1 *General*—Definitions are in accordance with Terminology D883 or Terminology E631 and abbreviations with Terminology D1600, unless otherwise indicated.

4. Significance and Use

4.1 The purpose of this specification is to establish on a national basis, a recognized standard of quality for rigid

² For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

*A Summary of Changes section appears at the end of this standard