



Designation: D6576 – 20

Standard Specification for Flexible Cellular Rubber Chemically Blown¹

This standard is issued under the fixed designation D6576; 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.

This standard has been approved for use by agencies of the U.S. Department of Defense.

1. Scope*

1.1 This specification establishes requirements for chemically blown cellular rubber.

1.2 In the case of conflict between the provisions of this specification and those of detailed specifications or test methods for a particular product, the latter shall take precedence.

1.3 Unless specifically stated otherwise, by agreement between the purchaser and the supplier, all test methods shall be performed in accordance with the test methods specified in this specification.

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

1.5 *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, health, and environmental practices and determine the applicability of regulatory limitations prior to use.*

1.6 There is no known ISO equivalent to this specification.

NOTE 1—This specification was revised using the updated test methods and specifications in the latest version of Specification [D1056](#).

1.7 *This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.*

2. Referenced Documents

2.1 ASTM Standards:²

[D297](#) Test Methods for Rubber Products—Chemical Analysis

¹ This specification is under the jurisdiction of ASTM Committee [D20](#) on Plastics and is the direct responsibility of Subcommittee [D20.22](#) on Cellular Materials - Plastics and Elastomers.

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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.

[D471](#) Test Method for Rubber Property—Effect of Liquids
[D635](#) Test Method for Rate of Burning and/or Extent and Time of Burning of Plastics in a Horizontal Position
[D883](#) Terminology Relating to Plastics
[D1055](#) Specifications for Flexible Cellular Materials—Latex Foam (Withdrawn 2014)³
[D1056](#) Specification for Flexible Cellular Materials—Sponge or Expanded Rubber
[E176](#) Terminology of Fire Standards
[E177](#) Practice for Use of the Terms Precision and Bias in ASTM Test Methods
[E456](#) Terminology Relating to Quality and Statistics
[E691](#) Practice for Conducting an Interlaboratory Study to Determine the Precision of a Test Method
[E2935](#) Practice for Conducting Equivalence Testing in Laboratory Applications

2.2 SAE Standard:⁴

[SAE J 1351-1993](#) Hot Odor Test for Insulation Materials

2.3 Military Standards/Specifications:⁵

[MIL STD 105](#) Sampling Procedures and Tables for Inspection by Attributes

[MIL STD 129](#) Marking for Shipment and Storage

[MIL STD 293](#) Visual Inspection Guide for Cellular Rubber Items

[MIL R 6130C](#) Standard Specification for Flexible Cellular Rubber Chemically Blown

2.4 Federal Standards/Specifications:⁵

[PPP-B576](#) Box, Wood, Cleated, Veneer, Paper Overlaid

[PPP-B591](#) Box, Fiberboard, Wood-Cleated

[PPP-B601](#) Box, Wood, Cleated Plywood

[PPP-B621](#) Box, Wood, Nailed and Lock-Corner

[PPP-B636](#) Box, Shipping, Fiberboard

3. Terminology

3.1 Terms used in this standard are defined in accordance with Terminology [D883](#), unless otherwise specified. For terms

³ The last approved version of this historical standard is referenced on www.astm.org.

⁴ Available from Society of Automotive Engineers (SAE), 400 Commonwealth Dr., Warrendale, PA 15096-0001, <http://www.sae.org>.

⁵ Available from Standardization Documents Order Desk, Bldg. 4 Section D, 700 Robbins Ave., Philadelphia, PA 19111-5094, Attn: NPODS.

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