



Designation: D1725-04

~~Standard Test Method for Viscosity of Resin Solutions~~ Designation: D1725 - 12

Standard Practice for Preparing Resin Solutions for Viscosity Measurement by Bubble Time Method¹

This standard is issued under the fixed designation D1725; 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 test method covers the measurement of the viscosity of resin solutions.~~

1.1 This practice provides instructions for preparing resin solutions viscosity measurement by bubble time method.

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

1.3 *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. For specific hazard statements, see Section 7.*

2. Referenced Documents

2.1 *ASTM Standards:*²

D154 [Guide for Testing Varnishes](#)

D1545 [Test Method for Viscosity of Transparent Liquids by Bubble Time Method](#)

D6440 [Terminology Relating to Hydrocarbon Resins](#)

E691 [Practice for Conducting an Interlaboratory Study to Determine the Precision of a Test Method](#)

2.2 *Other Document:*

OSHA Regulations, 29 CFR, paragraphs 19.10.1000 and 1910.1200³

3. Terminology

3.1 For definitions related to hydrocarbon resins see Terminology D6440. [ASTM D1725-12](#)

4. ~~Summary of Test Method~~ Summary of Practice

4.1 Solid resins are dissolved in organic solvents by cold-cut or hot-cut methods in the laboratory. The viscosity of such prepared solutions, or of commercial solutions of resins is then determined by the bubble time method (Test Method D1545). The bubble seconds are approximately equal to stokes.

5. Apparatus

5.1 *Bath*, constant-temperature, consisting of a cylindrical glass jar of about 5-gal capacity, or an aquarium tank with controls capable of maintaining the temperature at $25 \pm 0.1^\circ\text{C}$ with water as the bath medium.

5.2 *Bottles*, 225-mL (8-oz), wide-mouth, screw cap.

5.3 *Cellophane*, sheet, cut into 102 or 127- mm (4 or 5-in.) squares.

¹ This ~~test method~~ practice is under the jurisdiction of ASTM Committee D01 on Paint and Related Coatings, Materials, and Applications and is the direct responsibility of Subcommittee D01.33 on Polymers and Resins.

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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.

³ Available from U.S. Government Printing Office Superintendent of Documents, 732 N. Capitol St., NW, Mail Stop: SDE, Washington, DC 20401, <http://www.access.gpo.gov>.