



Designation: ~~D2962–10 (Reapproved 2019)~~ D2962 – 23

Standard Practice for Calculating Volume-Temperature Correction For Coal-Tar Pitches¹

This standard is issued under the fixed designation D2962; 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~~ Scope*

1.1 This practice covers calculation of the amount of expansion or contraction of a volume of liquid coal-tar pitch due to a change of temperature.

1.2 The values stated in inch-pound units are to be regarded as standard. The values given in parentheses are mathematical conversions to SI units that are provided for information only and are not considered standard.

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

1.4 *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

<https://standards.iteh.ai/catalog/standards/sist/e3f40d7f-2196-41e8-8a0e-4e6dc436457b/astm-d2962-23>
[D70 Test Method for Specific Gravity and Density of Semi-Solid Asphalt Binder \(Pycnometer Method\)](#)

[D71 Test Method for Relative Density of Solid Pitch and Asphalt \(Displacement Method\)](#)

[D4175 Terminology Relating to Petroleum Products, Liquid Fuels, and Lubricants](#)

3. Terminology

3.1 *Definitions:*

3.1.1 For definitions of terms used in this practice, refer to Terminology [D4175](#).

4. Summary of Practice

4.1 Different pitches expand or contract at different rates which vary in relation to the relative density of the material. The corresponding values are listed in [Table 1](#).

¹ This practice is under the jurisdiction of ASTM Committee [D02](#) on Petroleum Products, Liquid Fuels, and Lubricants and is the direct responsibility of Subcommittee [D02.02](#) on Hydrocarbon Measurement for Custody Transfer (Joint ASTM-API).

Current edition approved ~~Jan. 1, 2019~~ Oct. 1, 2023. Published ~~January 2019~~ October 2023. Originally approved in 1971. Last previous edition approved in ~~2019~~ 2019 as ~~D2962–10~~ D2962 – 10 (2019). DOI: ~~10.1520/D2962-10R19~~ 10.1520/D2962-23.

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