



Designation: **D 2951 – 9500**

An American National Standard

Standard Test Method for Resistance of Types III and IV Polyethylene Plastics to Thermal Stress-Cracking¹

This standard is issued under the fixed designation D 2951; 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 determination of the susceptibility of Types III and IV polyethylene plastics (as defined in the table on Classification of Polyethylene Plastics Molding and Extrusion Materials According to Type, in Specification D 1248) to thermal stress-cracking.

NOTE 1—It has also been found useful in testing specimens from fabricated items such as pipe or conduit.

1.2 The values stated in SI units are to be regarded as the standard, except in cases where materials, products, or equipment are available only in inch-pound units. The values in parentheses are given 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.* Specific precautionary statements are given in Note 6, 7.

NOTE 2—There is no similar or equivalent ISO standard.

2. Referenced Documents

2.1 ASTM Standards:

A 276 Specification for Stainless and Heat-Resisting Steel Bars and Shapes²

¹ This test method is under the jurisdiction of ASTM Committee D-20 on Plastics and is the direct responsibility of Subcommittee D20.125 on Olefin Plastics Thermoplastic Materials.

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An ISO equivalency statement, Section 3, Terminology, and Section 12, Keywords, were added in 1995; D 2951 – 95.

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