



Designation: D-2412—96a 2412 – 02

An American National Standard

Standard Test Method for Determination of External Loading Characteristics of Plastic Pipe by Parallel-Plate Loading¹

This standard is issued under the fixed designation D 2412; 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 Department of Defense.

1. Scope

1.1 This test method covers the determination of load-deflection characteristics of plastic pipe under parallel-plate loading.

1.2 This test method covers thermoplastic resin pipe, reinforced thermosetting resin ~~(RTRP) pipe, pipe (RTRP)~~, and reinforced plastic polymer mortar ~~(RPMP) pipe, pipe (RPMP)~~.

1.3 The characteristics determined by this test method are pipe stiffness, stiffness factor, and load at specific deflections.

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

NOTE 1—While this test method can be used in measuring the pipe stiffness of corrugated plastic pipe or tubing, special conditions and procedures are used. These details are included in the product standards, for example, Specification F 405.

1.5 The text of this test method references notes and footnotes that provide explanatory material. These notes and footnotes (excluding those in tables and figures) shall not be considered as requirements of the test method.

1.6 *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.*

2. Referenced Documents

2.1 *ASTM Standards:*

¹ This test method is under the jurisdiction of ASTM Committee F17 on Plastic Piping Systems and is the direct responsibility of Subcommittee F17.40 on Test Methods. Current edition approved Oct. 10, 1996; 2002. Published November 1997; June 2002. Originally published as D 2412 – 65 T. Last previous edition D 2412 – 96a.