



Designation: D 3916 – 9402

An American National Standard

Standard Test Method for Tensile Properties of Pultruded Glass-Fiber-Reinforced Plastic Rod¹

This standard is issued under the fixed designation D 3916; 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 describes a procedure for determining the tensile properties of pultruded, glass-fiber-reinforced thermosetting plastic rod of diameters ranging from 3.2 mm (1/8 in.) to 25.4 mm (1 in.). Little test specimen preparation is required; however, reusable aluminum tab grip adapters (Fig. 1) of appropriate size are required to prevent premature failure of the specimens at the grips.

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.* Specific hazards statements are given in Note 3 and Note 4.

NOTE 1—There is no known ISO equivalent to this test method.

2. Referenced Documents

2.1 ASTM Standards:

¹ This test method is under the jurisdiction of ASTM Committee D-20 on Plastics and is the direct responsibility of Subcommittee D20.18 on Reinforced Thermosetting Plastics.

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