



Designation: D 2291 – 9803

Standard Practice for Fabrication of Ring Test Specimens for Glass-Resin Composites¹

This standard is issued under the fixed designation D 2291; 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 practice is intended for use in the fabrication of ring-type test specimens to be used in the evaluation of the mechanical properties of reinforcement and resins in a composite structure. The practice outlines the steps in the preparation of the test specimens, including the final specimen machining where applicable. Four final ring configurations are included.

1.2 The values stated in either SI units of inch-pound units are to be regarded separately as the standard. The values stated in each system may not be exact equivalents; therefore, each system shall be used independently of the other. Combining values from the two systems may result in nonconformance with the 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 and health practices and determine the applicability of regulatory limitations prior to use.*

NOTE 1—There is no ISO equivalent to this standard.

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

Current edition approved July 10, 1998; November 1, 2003. Published December 1998; January 2004. Originally published as D 2291 – 64 T, approved in 1964. Last previous edition D 2291 – 83 (1989)¹, approved in 1998 as D 2291 – 98.