



Designation: D 5336 – 003

Standard Specification for Polyphthalamide (PPA) Injection Molding Materials¹

This standard is issued under the fixed designation D 5336; 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 specification covers polyphthalamide materials suitable for injection molding.
- 1.2 The properties included in this specification are those required to identify the compositions covered. There may be other requirements necessary to identify particular characteristics important to specialized applications. These may be specified by using suffixes as given in Section 5.
- 1.3 This specification allows for the use of recycled materials provided that all specification requirements are met.
- 1.4 This specification is intended to be a means of calling out plastics materials used in the fabrication of end items or parts. It is not intended for the selection of materials. Material selection should be made by those having expertise in the plastics field after careful consideration of the design and the performance required of the part, the environment to which it will be exposed, the fabrication process to be employed, the inherent properties of the material other than those covered by this specification, and the economics.
- 1.5 The values stated in SI units are to be regarded as the standard (see IEEE/ASTM SI-10).
- 1.6 The following precautionary caveat pertains only to the test methods portion, Section 12, of this specification: *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.

NOTE 1—There is no similar or equivalent ISO standard.

2. Referenced Documents

- 2.1 *ASTM Standards:*²

¹ This specification is under the jurisdiction of ASTM Committee D20 on Plastics and is the direct responsibility of Subcommittee D20.15 on Thermoplastic Materials (Section D20.15.09).

Current edition approved April 10, 2000; November 1, 2003. Published January 2004. Originally published as D 5336—92; approved in 1992. Last previous edition approved in 2000 as D 5336 — 9300.

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