



Designation: D 6394 – 02³

Standard Specification for Sulfone Plastics (SP) ¹

This standard is issued under the fixed designation D 6394; 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 the classification of sulfone plastics suitable for injection molding and extrusion.

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 will be specified by using the suffixes in Section 5.

1.3 This specification is intended to be a means of calling out sulfone plastics used in the fabrication of end items or parts. 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, and the inherent properties of the material other than those covered by this specification.

1.4 Sulfone polymers, being thermoplastic, are reprocessible and recyclable. This specification allows for the use of those sulfone polymer materials, provided that any specific requirements are met.

1.5 The following safety hazards caveat pertains only to the test method portion, Section 11, of this standard: *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—Reference Guide D 5033 for information and definitions related to recycled plastics.

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

2. Referenced Documents

2.1 ASTM Standards:

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. Current edition approved November 10, 2002³. Published January 1, 2003. Originally approved in 1999. Last previous edition approved in 2004² as D 6394 - 04².

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