



Designation: D 4549 – 003

Standard Specification for Polystyrene and Rubber-Modified Polystyrene Molding and Extrusion Materials (PS)¹

This standard is issued under the fixed designation D 4549; 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 polystyrene materials, both crystal and rubber modified, suitable for molding and extrusion. Recycled polystyrene products are addressed in Specification D 5676.

1.2 This specification is intended to be a means of calling out plastic materials 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, the inherent properties of the material other than those covered by this specification, and the economics.

1.3 The properties included in this specification are those required to identify the compositions covered. Other requirements necessary to identify particular characteristics important to specialized applications can be called out using the suffixes as given in Section 5.

NOTE 1—This standard combines elements from ISO 1622-1-2 and ISO 2897-1-2, but is not equivalent to either 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 Nov. August 10, 20003. Published February 2001. October 2003. Originally published as D 4549 – 85; approved in 1985. Last previous edition approved in 2000 as D 4549 – 9800.

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