This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.

Designation: D7254 – 20

An American National Standard

Standard Specification for Polypropylene (PP) Siding[1]

This standard is issued under the fixed designation D7254; 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 establishes requirements and test methods for materials, impact strength, appearance, surface flame spread, and wind load resistance of siding products manufactured from polypropylene material. Methods of indicating compliance with this specification are also provided.

1.2 The use of polypropylene recycled plastic in this product shall be in accordance with the requirements in Section 4.

1.3 Siding produced to this specification shall be installed in accordance with manufacturer's installation instructions for the specific product to be installed.

NOTE 1—Information with regard to siding maintenance shall be obtained from the manufacturer.

1.4 The values stated in inch-pound units are to be regarded as the standard. The SI units given in parentheses are for information purposes only.

1.5 The following precautionary caveat pertains to the test method portion only, Section 6 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, health, and environmental practices and determine the applicability of regulatory limitations prior to use.*

NOTE 2—There is no known ISO equivalent to this standard.

1.6 *This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.*

2. Referenced Documents

2.1 *ASTM Standards:*[2]

D660 Test Method for Evaluating Degree of Checking of Exterior Paints
D661 Test Method for Evaluating Degree of Cracking of Exterior Paints
D662 Test Method for Evaluating Degree of Erosion of Exterior Paints
D714 Test Method for Evaluating Degree of Blistering of Paints
D772 Test Method for Evaluating Degree of Flaking (Scaling) of Exterior Paints
D883 Terminology Relating to Plastics
D1435 Practice for Outdoor Weathering of Plastics
D1600 Terminology for Abbreviated Terms Relating to Plastics
D3359 Test Methods for Rating Adhesion by Tape Test
D3679 Specification for Rigid Poly(Vinyl Chloride) (PVC) Siding
D3892 Practice for Packaging/Packing of Plastics
D4101 Classification System and Basis for Specification for Polypropylene Injection and Extrusion Materials
D4226 Test Methods for Impact Resistance of Rigid Poly-(Vinyl Chloride) (PVC) Building Products
D5033 Guide for Development of ASTM Standards Relating to Recycling and Use of Recycled Plastics (Withdrawn 2007)[3]
D5206 Test Method for Windload Resistance of Rigid Plastic Siding
E84 Test Method for Surface Burning Characteristics of Building Materials
E631 Terminology of Building Constructions
G147 Practice for Conditioning and Handling of Nonmetallic Materials for Natural and Artificial Weathering Tests

2.2 *ASCE Standard:*[4]

ASCE 7-10 Minimum Design Loads for Buildings and Other Structures

2.3 *International Code Council:*[5]

International Building Code
International Residential Code

[1] This specification is under the jurisdiction of ASTM Committee D20 on Plastics and is the direct responsibility of Subcommittee D20.24 on Plastic Building Products.

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[2] For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

[3] The last approved version of this historical standard is referenced on www.astm.org.

[4] Available from American Society of Civil Engineers (ASCE), 1801 Alexander Bell Dr., Reston, VA 20191, http://www.asce.org.

[5] Available from International Code Council (ICC), 500 New Jersey Ave., NW, 6th Floor, Washington, DC 20001, http://www.iccsafe.org.

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

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