



Designation: D 5331 – 9803

Standard Test Method for Evaluation of Mechanical Handling of Unitized Loads Secured with Stretch Wrap Films¹

This standard is issued under the fixed designation D 5331; 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 test method covers evaluation and comparison of the ability of unitizing films to survive various methods of mechanical handling.

1.2 The test method described is applicable to common means of material handling, including the following: forklift, push/pull, clamp truck, crane, and spade lift-type handling systems.

1.3 The test levels may be varied to reflect known levels of intensity accurately for the specific unit load under testing.

1.4 The methodology of performing the mechanical handling tests is described in detail in Test Methods ~~D 1083~~, D 6055 and Test Methods D 6179. This test method will describe only sample preparation and evaluation in the special case of evaluating the performance of stretch film for load unitizing.

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

1.6 *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.*

¹ This test method is under the jurisdiction of ASTM Committee D-10 on Packaging and is the direct responsibility of Subcommittee D10.25 on Palletizing and Unitizing of Loads.

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