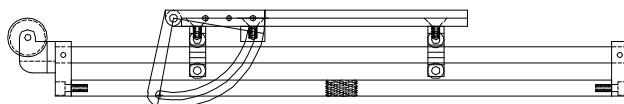


180° VARIABLE ANGLE PEEL TEST FIXTURE



Specimen:	Width	Up to 2"
	Thickness	Any thickness up to 0.5"
	Length	Up to 9"
Fixture:	Construction	Stainless steel and aluminum
	Temperature	-20 to 120°F (-29 to 49°C)
	Mounting	1"-14 threaded coupling
	Capacity	100 lbs (445 N)
	Weight	15 lbs approximately
	Dimensions	Assembled 2.25" x 6" x 12"
	Standard	Manufactured in accordance with ASTM B905, D3330, PSTC 6, PSTC 2220

Model No. ASTM.D3330.11 - 180° Variable Angle Peel Test Fixture For Specimens Up To 2" Wide And 9" Long Ball bearing mounted slide with 9" travel. The slide and shaft supports are constructed of sturdy aluminum. The slide holds a 9" by 3" test panel with two clamping rails and four hold down screws. The maximum specimen size is 2" wide by 9" long. The slide has an adjustable table that can be positioned from 0° to 90° and locked in place for testing. The rails are secured to the base of the test machine by an aluminum mounting bracket that is supplied with a 1"-14 threaded coupling. One end of the fixture supports a nylon wheel which is used to guide a thin Teflon coated steel wire. The steel wire is used for low force peel tests which require the sled to be driven by the cross head. The wire attaches to the sled and upper cross head. The fixture is supplied with a low force bearing system. The capacity of the fixture is 100 lbs (500kN).

*** The fixture does not include the upper tensile grip needed for peel testing.

Fixture Specifications:

Temperature Range: -20°F to 150°F (-29 to 49° C)

Dimensions: 18" Long x 4.25" Width (2.125" edge to centerline) x 5" High

Length: 18"

Height: 5"

Standards: PSTC, ASTM B905, D2681, D3330(A), D3330(F)

MODEL NO. ASTM.D3330.11

ASTM, PEEL, ADHESIVE, ADHESION, 180°,

ACCESSORIES

Model No. Grip.10100.201- (1) 200lbs Screw Action Grip with 1" Square Grip Faces

SPARE PARTS

REFERENCE DOCUMENT AND TEST METHOD SCOPE:

<http://www.astm.org/Standards/D3330.htm>

ASTM D3330 / D3330M - 04(2010)

Standard Test Method for Peel Adhesion of Pressure-Sensitive Tape

1.1 These test methods cover the measurement of the peel adhesion of pressure-sensitive tapes.

1.1.1 Test Method A gives a measure of the adherence, when peeled at 180° angle, to a standard steel panel or to other surface of interest for a single-coated tape.

1.1.2 Test Method B gives a measure of the adherence to the backing of a single-coated tape.

1.1.3 Test Method C gives a measure of the adherence of double-coated tape to a standard steel panel or other surface of interest.

1.1.4 Test Method D gives a measure of the adherence of the release liner to the adhesive of either single- or double-coated tape.

1.1.5 Test Method E gives a measure of the adherence of an adhesive transfer tape to a standard steel panel or other surface of interest.

1.1.6 Test Method F gives a measure of the adherence, when peeled at 90° angle, to a standard steel panel or other surface of interest for a single-coated tape.

1.2 These test methods provide a means of assessing the uniformity of the adhesion of a given type of pressure-sensitive adhesive tape. The assessment may be within a roll of tape, between rolls, or between production lots.

1.3 Variations in either the tape backing or the adhesive, or both, affect the response. Therefore, these test methods cannot be used to pinpoint the specific cause(s) of non-uniformity.

1.4 These test methods may not be appropriate to test tapes having relatively stiff backings, stiff liners, or backings showing high stretch at low forces. These characteristics will result in a high variability for the test response which is not a true indication of the real nature of the adhesive bond.

1.5 Values stated in either SI or inch-pound units are to be regarded separately as standard. The values stated in each system may not be exact equivalents, therefore, each system must be used independently without combining values in any way.

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.

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