ASTM D3330 Peel Fixture

Peel Adhesion Fixture for Pressure-Sensitive Tape

Built to ASTM D3330 — Standard Test Method for Peel Adhesion of Pressure-Sensitive Tape



OVERVIEW

Peel fixture for measuring the peel adhesion of pressure-sensitive tapes. Tape is applied to a standard test panel, which is held in the fixture while the free end is pulled away at a defined angle and rate, recording the average force required to remove the tape.

KEY FEATURES

- Panel holder positions test panel in line with the load axis
- Configurations for 180 deg and 90 deg peel geometries
- Tape grip clamps the free end without slippage
- Accepts standard stainless steel test panels
- Supplied with adapters to suit your load frame (clevis or threaded)

TECHNICAL SPECIFICATIONS

Test method	Peel adhesion of pressure-sensitive tape
Test type / loading	Tension, 180 deg (90 deg option) peel
Specimens	Tape strips on standard test panels per ASTM D3330
Load capacity	Low-force fixture; use with a 50–100 N load cell
Fixture material	Aluminum and stainless steel
Gripping surfaces	Panel clamp and rubber-faced tape grip
Machine connection	Clevis pin or threaded adapter, to suit customer frame
Compatible frames	Electromechanical universal test machines

APPLICATIONS

- Pressure-sensitive tapes
- Labels and protective films
- Adhesive formulation development
- Tape converting QC

ABOUT THE STANDARD

ASTM D3330 measures the peel adhesion of pressure-sensitive tapes, including single-coated tapes peeled at 180 degrees from a standard panel, tapes peeled from their own backing, and double-coated tapes. Tape is applied with a standard roller, and the force to remove it at a constant rate is reported per unit width.

Ordering & customization: Specify peel angle, panel size, tape width and test machine connection when ordering. Test panels and rollers available.

Specifications are typical and may vary by configuration; confirm at time of quote. Users should refer to the current edition of the standard for test procedures. Part ref. UGC-D3330-PF