PRODUCT DATA SHEET

ASTM F88 Peel Fixture

Seal Strength Peel Fixture for Flexible Packaging

Built to ASTM F88 — Standard Test Method for Seal Strength of Flexible Barrier Materials



OVERVIEW

Peel fixture for seal strength testing of flexible packaging. Two grips hold the opposing legs of a sealed strip, and the test machine separates them at a constant rate in an unsupported, supported 90 degree or supported 180 degree tail configuration, recording the force required to peel the seal apart.

KEY FEATURES

- Light-duty grips with flat rubber or serrated faces
- Tail support options for 90 and 180 degree configurations
- Even clamping across the strip width
- Quick-action grips for high-throughput QC
- Low-mass design for low-capacity load cells

TECHNICAL SPECIFICATIONS

Test method	Seal strength (peel)
Test type / loading	Tension, unsupported or supported tail
Specimens	Strips cut across the seal, per ASTM F88
Load capacity	500 N standard; higher capacities on request
Fixture material	Aluminum and stainless steel
Gripping surfaces	Rubber-coated or serrated jaw faces
Machine connection	Clevis pin or threaded adapter, to suit customer frame
Compatible frames	Electromechanical universal test machines

APPLICATIONS

- Medical device pouches
- Food packaging seals
- Lidding films and blister packs
- Sealing process validation

ABOUT THE STANDARD

ASTM F88 measures the strength of seals in flexible barrier materials, such as pouches and lidding. Strips cut across the seal are pulled apart in tension, and the maximum or average force per unit width is reported along with the failure mode. Different tail-holding techniques are allowed, and results support package design and process control.

Ordering & customization: Specify strip width, tail configuration, required capacity and machine connection when ordering.

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.
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