

Peel / Seal Strength Tester

Laminates are made by bonding together two or more layers of material or materials. Their performance is often dependent on the ability of the laminate to function as a single unit. If the plies have not been properly bonded together, the performance may be adversely affected.

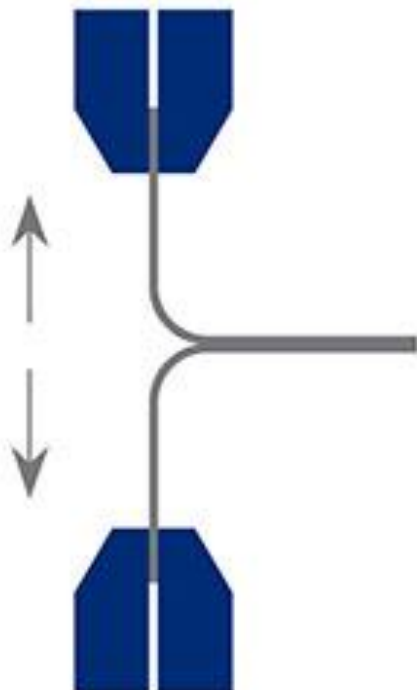
Peel Strength is the amount of force required to peel or de-laminate the layers of a laminate.
Seal Strength is the amount of force required to break open a heat seal joint on a flexible pouch.

Seal strength is a quantitative measure for use in process validation, process control and capability. Seal strength is not only relevant to opening force and package integrity, but to measuring the packaging processes' ability to produce consistent seals. Seal strength at some minimum level is a necessary package requirement, and at times it is desirable to limit the strength of the seal to facilitate easy opening.

Test Standard :

ASTM F 904 (Peel Strength)

ASTM F 88 (Seal Strength)



Visit us at www.PackTest.com



Manufactured in INDIA by :
Test Techno Consultants
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Marketed by :

Technical Specifications :

Tensile Strength Tester.

(General Purpose Tensile Tester with Stepper Motor Drive)

Single Column Design

Fully Automatic Computerised Model (with Windows based PC software)

Full Controls via computer.

Test Report Printing Facility (with Load vs Extension Graph)

Facility to print on Pre-Printed or Blank Stationery.

(Includes Software and Linking Hardware. PC & Printer to be provided by you.)

Digital Model

- Backlit LCD Display for easy readability.
- Peak hold facility to enable use with PC also.
- Choice of Measurement units : Kgf / gf / Lbf / N (User-settable from Menu)
- Auto-Calibration facility at 3 Kg
- Calibration weights supplied with the machine
- Precision Ball Screw and Slide Mechanism for extra high smoothness and zero maintenance.
- Hi-Torque Stepper Motor Drive System
- Digital Display of Extension (Resolution 0.1 mm)
- Microprocessor based Speed Control
- User Settable Speeds through comfortable menu system.
- Speed range : 10 – 500 mm/min (Resolution 1 mm/min)

Suitable for :

- | | |
|--|------------------|
| - Interlaminar Bond Strength Test (T Peel Test). | Fixture Included |
| - Seal Strength Test. | Fixture Included |
| - Tensile Strength Test. | Fixture Included |
| - Elongation at break. | Fixture Included |

Model : GP-10-DX

Capacity: 10 Kg with least count of 1 gm.

Travel length : Standard : 300 mm.

Other lengths are also available on request.

Utilities Required (To be supplied by the buyer) :

1) Power Supply : 230 Volts AC at 50 Hz. (Fluctuation Free Power required)

2) Desktop PC or Laptop PC

System Config : Pentium Core I3 / 4GB RAM / >500 GB Free HDD space / >15" Monitor

Supporting Software : Windows 7 or higher / Latest Dot Net Framework / Adobe Acrobat Reader

Communication : 9-Pin (DB9) Serial Port (RS-232) REQUIRED

Printer : Laser or Inkjet Printer.

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