PRODUCT DATA SHEET

ASTM D6195 Peel Fixture

Loop Tack Fixture for Pressure-Sensitive Adhesives

Built to ASTM D6195 — Standard Test Methods for Loop Tack



OVERVIEW

Loop tack fixture for pressure-sensitive adhesives. An adhesive-coated strip is formed into a loop with the adhesive facing out, held in the upper grip, and lowered onto a test plate held in the lower fixture until a defined contact area forms, then withdrawn while the separation force is recorded.

KEY FEATURES

- Lower plate holder defines a controlled contact area
- Upper loop grip holds the specimen ends without slippage
- Interchangeable test panels: stainless steel or customer substrate
- Lightweight design for low-force load cells
- Quick panel changes for high-volume QC testing

TECHNICAL SPECIFICATIONS

Test method	Loop tack of pressure-sensitive adhesives
Test type / loading	Contact then tensile separation of adhesive loop
Specimens	Adhesive-coated strips formed into loops, per ASTM D6195
Load capacity	100 N typical; sized to application
Fixture material	Aluminum and stainless steel
Test panels	Stainless steel standard; other substrates on request
Machine connection	Clevis pin or threaded adapter, to suit customer frame
Compatible frames	Electromechanical universal test machines

APPLICATIONS

- Pressure-sensitive labels
- Tapes and adhesive films
- Medical adhesive products
- Adhesive formulation and coating QC

ABOUT THE STANDARD

ASTM D6195 measures the loop tack of pressure-sensitive adhesives, the force needed to separate a loop of adhesive-coated material from a standard surface after brief contact with no external pressure. The loop is brought into contact with the test panel over a controlled area and immediately withdrawn. Peak force is reported as loop tack.

Ordering & customization: Specify strip width, test panel material, required capacity and test 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. Part ref. UGC-D6195-PF