



**Thwing-Albert  
Instrument Company**

**More Than a Century of Testing Solutions**

## **Loop Tack Fixture**

The loop tack test measures the tack (instant grip) of an adhesive. The capability to rapidly and reliably bond two surfaces is a key performance requirement in many pressure sensitive adhesive products, particularly adhesive tapes and labels. A key property for successful bonding is the tack or “stickiness” of the adhesive.

Tacky materials can be discerned by touch but for material specification or product development purposes a more quantitative approach is necessary. Tack is defined as the ability of an adhesive to form a bond to a surface after brief contact under light pressure.

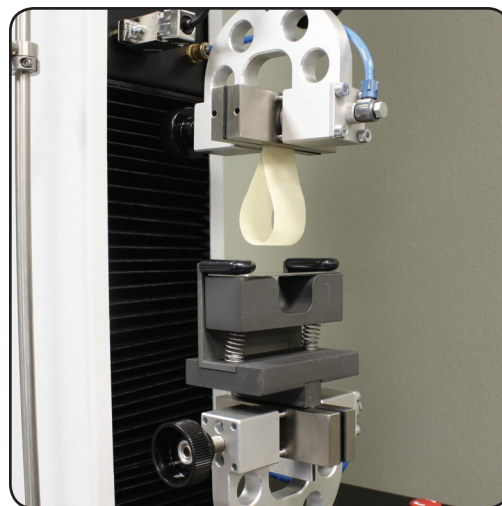
### **Test Procedure:**

A loop is created from the test material and the ends clamped together. The strip is tested in a cycle, in which the loop is first pushed onto the surface, compressing the adhesive. Then the loop is pulled up, and gradually debonds from the substrate.

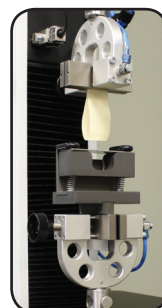
The Loop Tack Fixture can be used with any set of standard grips.

### **Common Industry Standards:**

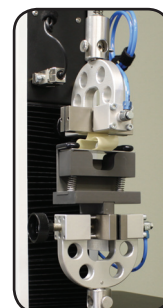
- PSTC: 16-B
- ASTM: D 6195A
- FINAT: FTM-9



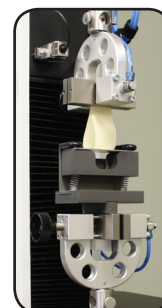
Loop Tack Fixture (TT-LTF-100)  
Shown with TA94 Grips



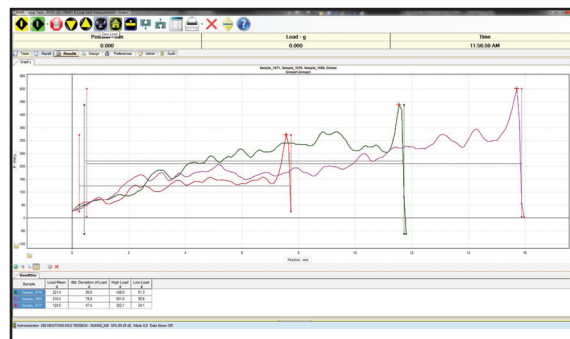
Sample  
Loaded



Sample  
Touching Plate



Test  
Running



▲ MAP4 Real-Time Test Results

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