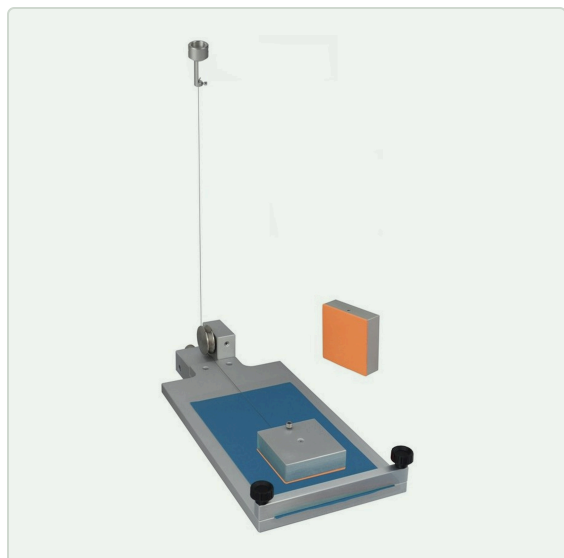


ASTM D1894 Friction Test Fixture

Coefficient of Friction Fixture for Plastic Film

Built to ASTM D1894 — Standard Test Method for Static and Kinetic Coefficients of Friction of Plastic Film and Sheetting



OVERVIEW

Coefficient of friction fixture for plastic film and sheetting. A weighted sled covered with the test film is drawn across a horizontal plane covered with film or another surface, while the universal test machine records the pulling force. Static and kinetic friction coefficients are calculated directly from the force trace and sled weight.

KEY FEATURES

- Horizontal friction table mounts to the test machine base
- Weighted sled with foam-backed contact face per standard principle
- Low-friction pulley redirects machine crosshead travel to horizontal pull
- Film clamps hold the plane specimen flat and wrinkle-free
- Supplied with adapters to suit your load frame

TECHNICAL SPECIFICATIONS

Test method	Static and kinetic coefficient of friction
Test type / loading	Horizontal sled pull via pulley
Specimens	Plastic film or sheetting, sled and plane specimens per ASTM D1894
Load capacity	Low-force fixture; use with a 10–50 N load cell
Fixture material	Aluminum table, steel sled, corrosion-resistant finish
Contact surfaces	Sled with resilient foam backing; flat test plane
Machine connection	Base adapter and pulley; clevis or threaded to suit frame
Compatible frames	Electromechanical universal test machines

APPLICATIONS

- Packaging film slip performance
- Slip and antiblock additive evaluation
- Film-to-metal and film-to-film friction
- Converter and packaging line QC

ABOUT THE STANDARD

ASTM D1894 determines the starting (static) and sliding (kinetic) coefficients of friction of plastic film and sheetting when sliding over itself or other substances. A sled of defined mass and contact area is pulled along a test plane at a constant rate. Results relate to film handling, packaging machine performance and slip additive effectiveness.

Ordering & customization: Specify test machine model, base connection and any alternate sled masses or plane surfaces 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-D1894-FTF