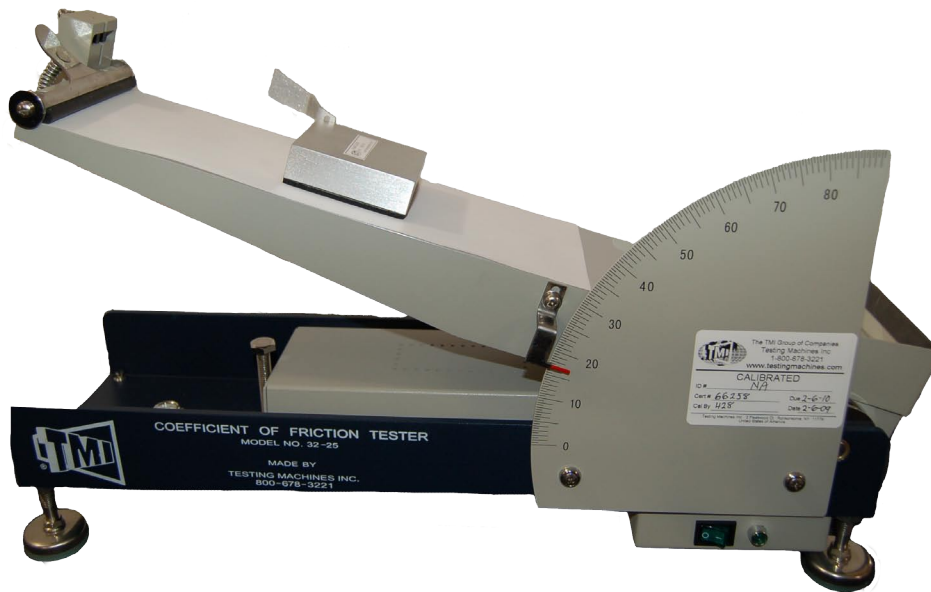


COEFFICIENT OF FRICTION

32-25



Slide Angle Friction is a measurement of a sheet like substrate such as paper, corrugated, plastic film or paperboard which determines the angle of inclination at which one substrate affixed to a sled will begin to slide/slip against another substrate of a similar material.

During a test, an inclined plane is increased at a rate of $1.5 \pm 0.5^\circ$ per second by an electric motor until the test block begins to slide. The initial movement of the sled is the Slide Angle or Coefficient of Static Friction of the material. When the test block just begins to slide a photo-optical sensor automatically stops the inclined plane and the operator can read the slide angle result.

A variety of factors can affect the Slide Angle measurements including abrasion, coatings, varnishes, printing and most importantly humidity.

APPLICATIONS

Paper, plastic film, packaging films, paperboard, corrugated and other sheet like materials

SPECIFICATIONS

- 0 to 80° angle
- Conforms to TAPPI T 815, T 458 and ASTM D 202 with optional sliding blocks

FEATURES

- Motor-driven elevation
- Simple, low-cost measurement of static COF
- Photo sensor automatically stops the test after initial sled movement
- Measures only Slide Angle or Coefficient of Static Friction

OTHER

- A horizontal plane method is also available to measure Static and Kinetic Coefficient of Friction
- See models 32-07, 32-71 and 32-91

ORDERING INFORMATION

- Catalog number 32-25-00 (COF Inclined Plane Tester)
- Electrical: Specify voltage requirements when ordering

Sliding blocks (1 required)

- T 503 sliding block for shipping sacks; 3.5 in. x 4 in., 1260 g.: Catalog number 32-25-02
- T 815 sliding block for fiberboard; 2 in. x 4 in., 750 g.: Catalog number 32-25-03
- D 202 sliding block for electrical insulation paper; 2.5 in. x 3 in., 235 g.: Catalog number 32-25-04
- T 548 sliding block for printed paper; 2.5 in. x 2.5 in., 200 g.: Catalog number 32-25-05
- 1.5 in. x 3.5 in. sled for COF; 500 g.: Catalog number 32-25-08
- Custom sliding blocks available upon request

PHYSICAL SPECIFICATIONS

Depth: 130 mm (5 in.)
Height: 280 mm (11 in.)
Width: 560 mm (22 in.)
Weight: 7 kg (16 lb)

Main Headquarters

Testing Machines Inc.
40 McCullough Drive
New Castle, DE 19720
Tel: (302) 613-5600
Fax: (302) 613-5619
Info@testingmachines.com

Büchel BV
t/a Messmer Büchel
Fokkerstraat 24, 3905 KV
Veenendaal, Netherlands
Tel: +31 (0)318 521500
Fax: +31 (0)318 540358

Lako Tool and Manufacturing Inc.
7400 Ponderosa Road
Perrysburg, Ohio 43552
Tel: (419) 662-5256
Fax: (419) 662-8225

Lawson Hemphill
1658 G A R Highway
Swansea, MA 02777
Tel: (508) 679-5364
Fax: (508) 679-5396
Information@lawsonhemphill.com

Adamel Lhomargy SARL
Z.A. de l'Habitat, Bâtiment 6
Route d'Ozoir, 77680
Roissy en Brie, France
Tel: +33 (0) 1 64402910
Fax: +33 (0) 1 64409211

TMI Canada
40 McCullough Drive
New Castle, DE 19720
Tel: (302) 613-5600
Fax: (302) 613-5619
canada@testingmachines.com



www.testingmachines.com

www.lakotool.com

www.lawsonhemphill.com