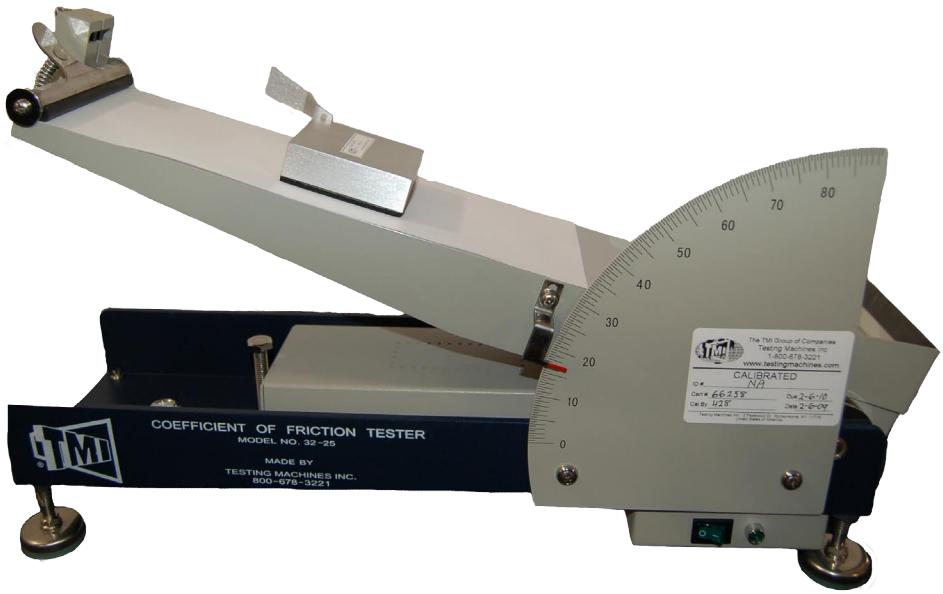
Coefficient of friction
32-25



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 ± 0.5° 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)	Catalog number
T 503 sliding block for shipping sacks 3.5 in. x 4 in., 1260 g	32-25-02
Sliding block for fiberboard 2 in. x 4 in., 750 g	32-25-03
D 202 sliding block for electrical insulation paper; 2.5 in. x 3 in., 235 g	32-25-04
T 548 sliding block for printed paper 2.5 in. x 2.5 in., 200 g	32-25-05
Sled for COF: 1.5 in. x 3.5 in. ; 500 g	32-25-08
T 815 sliding block for fiberboard 3.5 in x 4 in., 1300 g	32-25-12
Custom sliding blocks available upon request	

PHYSICAL SPECIFICATIONS
W x D x H: 560 x 130 x 280 mm (22 x 5 x 11 in.)
Weight: 7 kg (16 lb)

Testing Machines Inc.
2 Fleetwood Court
Ronkonkoma, NY 11779
Tel: (631) 439-5400
Fax: (631) 439-5420
Info@testingmachines.com

Büchel BV
t/a Messmer Büchel
Fokkerstrat 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 6440291
Fax:+33 (0) 1 64409211

TMI Canada
P.O. Box 203
Pointe-Claire Dorval
QC, H9R-4N9 CAN
Tel: (514) 426-5855
Fax: (514) 426-1557