

Coefficient of Friction Tester for Flexible Packaging

This device accurately measures the static and dynamic coefficients of friction in flexible packaging materials. It is used to evaluate the slip resistance and surface properties of films, sheets, and other flexible materials.



Product Overview

Precision Friction Testing for Flexible Packaging

The GM-1 Coefficient of Friction Tester is a specialized instrument designed to measure the smoothness and surface properties of various plastic films and sheets, including OPP, PET, Nylon, CPP, and CPE. By accurately determining static and dynamic friction coefficients, it helps manufacturers ensure consistent quality and prevent defects in packaging, printing, and paper production processes. This device is engineered to meet rigorous international standards, providing reliable data for quality control and research applications.

Technical Specifications

Max Sample Thickness	0.2 mm
Sliding Piece Size	63 x 63 mm
Sliding Piece Mass	200 g
Working-Table Board Size	200 x 470 mm
Measuring Precision	0.001
Sliding-Piece Velocity	100 ± 10 mm/min (adjustable)

Performance Metrics

Force Measurement Range

0 N

Minimum Force

2 N

Default Max Force

10 N

Optional Max Force

Compliance & Applications

Compatible Materials

- OPP
- PET
- Nylon
- CPP
- CPE
- Plastic Films
- Plastic Sheets

Compliance Standards

GB 10006-1988, ASTM D 1894-1990, TAPPI 816 wd-00, ISO 8295-1995

Electrical & Physical

Power Supply	AC 220V / 50Hz
Net Weight	20 kg