

Elmendorf Tearing Tester LTLD-1000Z

Elmendorf Tearing Tester LTLD-1000Z is designed for the tearing test of films, sheets, flexible PVC, PVDC, waterproof films, woven materials, polypropylene, polyester, paper, cardboard, textiles and nonwovens. It is the necessary testing instrument for the packaging, paper industries, quality inspections and quarantine labs.



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Standards: ISO6383-1-1983, ISO 6383-2-1983, ISO 1974, ASTM D1922, ASTM D1424, ASTM D689, TAPPI T414, GB/T 16578.2、GB/T 455.1、GB/T455.2、ASTM D1922

Industry Standards:

- ASTM D295, D752, D1424, D1922,
- D5734
- TAPPI T414, T496
- BS 4253, 4468
- CPPA D.9
- DIN 53862, 53128
- ISO 1974, 9290
- EN 21974
- SCAN P11



Link Testing
Only for Flexible Packaging

Model	83-20-00	83-21-00
Capacities	0-6400 grams	0-10,000 grams
Pendulum range	400, 800, 1600, 3200, 6400	5000, 10,000
Accuracy	1.0% of pendulum range	1.0% of pendulum range
Calibration weights	20%, 50% and 90%	20%, 50% and 90%
Measuring principle	Hi-resolution digital encoder	Hi-resolution digital encoder
Measuring range	0-64 N	0-100 N
Languages	German, French, English, Dutch, Italian, Spanish and Finnish	
Statistics	Average, Maximum, Minimum, SD, COV and Tear Index	
Physical Specifications		
W x D x H	21.3 in x 19.7 in x 19.7 in (54 cm x 50 cm x 50 cm)	
Weight	115 lbs (52 kg)	
Electrical	110V/60Hz or 220V/50Hz	
Air requirements	600-700 kPa	
Standards		
Paper	TAPPI 414, APPITA P 400, ASTM D 689, NEN 1760, BS 4468, SCAN P 11, UNI 6444, CSA D9, ISO 1974	
Plastic Film	NF T.54.141, ISO 6383/2, ASTM D 1922	
Textile	NF G.07.149, ASTM D 1424, M&S P-29, ISO 13937-1	

PRODUCT APPLICATION

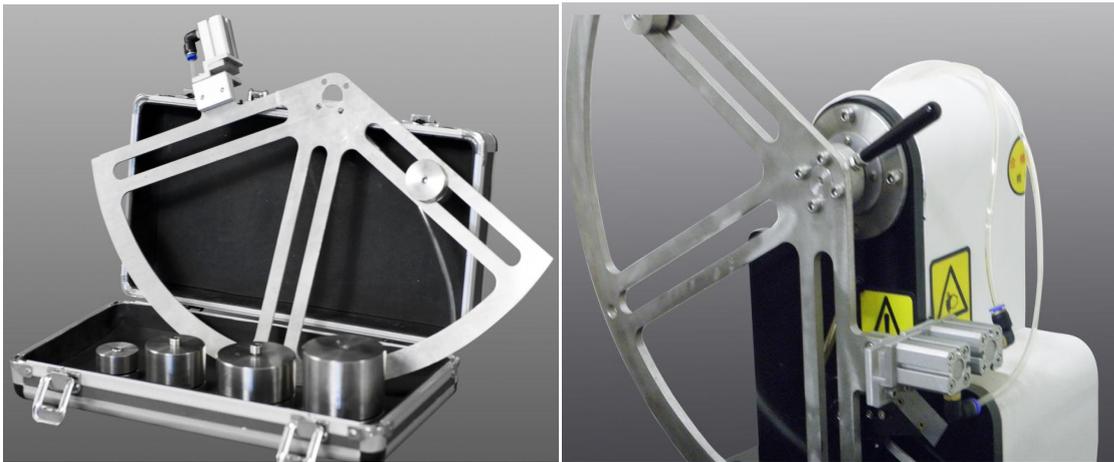


Films, Paper, Rubber, Aluminum Foils, Laminated Films, Printed Matter

TECHNICAL FEATURE

- ★The instrument is controlled by micro-computer, large LCD display
- ★The instrument is designed by automatic and electronic measurement which improves the testing accuracy
- ★Pneumatic specimen clamping and automatic release of pendulum could avoid the system error effectively
- ★Computer assisted horizontal adjustment system could maintain the instrument optimum status

- ★Elmendorf tearing tester equipped with double system operation, micro-computer or computer software control
- ★Professional software supports multi-unit data output
- ★Equipped with pendulums of multiple capacities



TEST PRINCIPLE

Lift the pendulum up to a certain height to give it an initial potential energy. The pendulum tears the specimen while swinging down. Computer calculates the decreased energy caused by tearing to obtain the required force for tearing.

MAIN SPECIFICATION

TECHNICAL SPECIFICATIONS	
Pendulum Capacity	200 gf, 400gf, 800gf, 1600 gf, 3200gf, 6400gf,
Indication accuracy	±1%
Resolution	1mN
Sample Holder	Pneumatic
Pendulum Release	Pneumatic
Dimension	470mm×340mm×530mm
N.W.	30kg
ENVIRONMENT REQUIREMENT	
Air Pressure	0.6 Mpa(User-Supply)
Temperature	15°C-50°C
Relative Humidity	No more than 70% , no dewdrop



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Power Supply	220V 50Hz
Configurations	
Standard Configurations: Elmendorf Tearing Tester mainframe, Professional Software, Communication Cable, One Basic Pendulum and One Extra Weight Optional Configurations: Basic Pendulum: 200 gf, 1600 gf Extra Weight: 400 gf, 800 gf, 3200 gf, 6400 gf	
Note	
Users will need to prepare for gas supply	