Product name:	Product code:
Foam Tear Strength Tester with Trouser Specimen Fixture	CMI-IND-0509



Description

Tear testing machine with trouser-type grips that measures the force to propagate a cut through flexible polyurethane foam. Used by foam and bedding manufacturers to qualify material under ASTM D3574 Test F.

Technical specification

Specimen size	150 x 25 x 12.5 mm with 40 mm cut
Grips	Pneumatic wide flat jaws
Travel	600 mm
Power supply	230 V AC, 50 Hz

Standard Accessories

- Pre-cut template
- Specimen cutter
- Grip faces set

A pre-cut specimen is gripped in two arms and pulled apart at constant speed, recording the force needed to extend the tear. Peak and mean tear forces are reported in N/m. It gives a quick indication of foam cell structure and processing quality.

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Features

- Low capacity 100 N load cell for soft foams
- Wide pneumatic grips for thick specimens
- Speed control from 50 to 500 mm/min
- Automatic tear strength calculation in N/m
- Tear initiation cut template included

Technical Specifications

Test standards	ASTM D3574 Test F, ISO 8067
Load capacity	100 N
Load resolution	0.01 N
Speed range	50 to 500 mm/min