Product name:	Product code:
Foam Tensile and Elongation Testing Machine with Die Cutter	CMI-IND-0510



Description

Tabletop tensile machine with pneumatic grips and dumbbell die set for measuring tensile strength and elongation at break of flexible foam. Used in foam conversion and automotive trim laboratories under ASTM D3574 and ISO 1798.

Technical specification

Test speed	50 to 500 mm/min
Grip type	Pneumatic with rubber faced jaws
Die	Dumbbell die per ASTM D3574 Fig. 3
Power supply	230 V AC, 50 Hz

Standard Accessories

- Dumbbell cutting die
- Pneumatic grip set
- Air compressor connector

Dumbbell specimens cut from foam sheet are gripped and stretched until failure while load and extension are recorded. Soft-jaw pneumatic grips avoid slippage and premature tearing. The unit also runs tear strength with a suitable fixture.

Features

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- Load cell capacity 500 N
- Rubber faced pneumatic grips for slippery foam
- Long travel crosshead for elongation up to 800 percent
- PC software with stress-strain graph and report
- Includes pneumatic cutting die press

Technical Specifications

Test standards	ASTM D3574 Test E, ISO 1798, ISO 8067
Load capacity	500 N, selectable 100 N cell
Load accuracy	+/-0.5 percent of reading
Crosshead travel	750 mm