Product name:
Foam Compression Set Tester with Constant Deflection Plates

Product code:
CMI-IND-0503



Description

Compression set tester that holds flexible polyurethane foam specimens at a fixed deflection inside an oven to measure permanent deformation. Used by mattress, furniture and automotive seating foam plants for ASTM D3574 and ISO 1856 testing.

Technical specification

Number of stations	6 specimens per rack
Deflection	25 / 50 / 75 percent via spacer bars
Plate flatness	Within 0.05 mm
Plate material	Stainless steel 304, ground faces
Max conditioning temperature	100 deg C
Rack dimensions	Approx. 200 x 150 x 120 mm

Standard Accessories

- Set of calibrated spacer bars
- Specimen cutting template
- Digital thickness gauge holder

This fixture clamps foam specimens between parallel steel plates at a set percentage of their original thickness. After the conditioning period in an oven, the residual thickness is measured to calculate compression set. It suits routine batch release in foam conversion and seat cushion factories.

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Features

- Parallel plates held by spacers for 25, 50 and 75 percent deflection
- Chrome plated or stainless steel plates resist oven ageing
- Set of 6 specimen stations in one rack
- Compatible with standard forced-air ageing ovens
- Easy loading with captive tightening nuts

Technical Specifications

Test standards	ASTM D3574 Test D, ISO 1856, IS 7888
Specimen size	50 x 50 x 25 mm