

Falling Dart Impact Tester



By means of a handle operated excenter, a sample can be clamped slippage free between both cylinders.

The bottom of the firm cylinder has been provided with a 2-3 mm thick disc of soft rubber in order to eliminate damage of the falling dart.

SPECIFICATIONS

- Falling Height: 660 mm (26 in.)
- Weight of falling dart without additional weights: 50 g \pm 0.5%
- Additional weights:
 - 5 pcs. of 5 g \pm 0.5%
 - 25 pcs. of 15 g \pm 0.5%
 - 5 pcs. of 100 g \pm 0.5%
- Falling speed on sample: Approx. 3.5 m/sec.
- Meets ASTM Standard D 1709-62 Procedure A
Commercial Standard CS 227-59
TNO-Standard I.v.V. 2.15 1968

INTRODUCTION

The Falling Dart Impact Tester is intended for the determination of mechanical properties of packaging material such as plastic films, laminates and paper.

The tester comprises a horizontal base-plate on which a vertical column of steel has been erected and which on its top carries a release mechanism in which the falling dart can be inserted.

The dart consists of a hemispherical part of aluminium with polished surface and a diameter of 38.1 mm (1.5 in.), having a vertical shaft in the center of the flat top surface. Around the shaft additional weights can be fitted.

On the base-plate in the vertical center line of the inserted dart, a circular clamping device has been fitted. This clamping device consists of a firm and a movable cylinder, both having an inner diameter of 127 mm (5 in.).

INSTRUMENT SIZE

- Depth: 280 mm (11 in.)
- Height: 900 mm (35.5 in.)
- Width: 280 mm (11 in.)

WEIGHT

19 kg (42 lb)

CONNECTIONS

Electrical: none

ORDERING INFORMATION

Catalog number 43-26-00

**The TMI Group
of Companies**



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