

QC-633A Drop Dart Tester

Standard

ASTM D1709 GB-9639

Description

This tester conforms to test standard applicable for method A and method B. The plastic film is clamped pneumatically on a round specimen holder (dia. 125mm) in an instant. The impact head used in method A is dia. 38.1mm and in method B is dia. 50.8mm. The dart is fixed top the tester. After a desired dart is selected and height is adjusted, release the dart with the electronic magnet. Film's resistance to impact can thus be tested. Generally, 1 specimen is tested at a time and after 20 tests, record height and dart weight under broken and unbroken conditions for every test. This serves as a reference for the film's resistance to impact.

Applied Industry

Plastic film, Packaging

Appearance



Specification

Specimen clamping	Pneumatic (Air pressure 70 - 80 psi)
Dart dropping method	A. Electronic magnet (to reduce vibration) B. Manual release
Specimen holder	Inner diameter 125 mm
Jaw face material	PU gasket, able to avoid the slip off
Impact head's diameter	Ø38.1 mm (Fiber-reinforced plastic) Ø50.8 mm (Stainless steel)
Dart's stick material	Stainless steel
Height range	300 - 1600 mm (Adjustable)
Weights	Method A : 50g ~ 6 kg Method B: 300g ~ 6kg
Dimension	43 x 57 x 240 cm
Weight	45 kg
Power Supply	AC 100 - 240V

❖ Method A

Test Height: 66cm (26")

Impact Head Diameter: Ø38.1 mm

Impact Head Material: Fiber Reinforced Plastics

Dart Material: Stainless Steel

Impact Head Weight: 50±2g and 190±2g (include the dart)

Weight: 50g ~6kg

❖ Method B

Test Height: 152cm (60")

Impact Head Diameter: Ø50.8 mm

Impact Head Material: Stainless Steel

Dart Material: Stainless Steel

Impact Head Weight: 300±5g and 400±5g (include the dart)

Weight: 300g ~6kg

Related Products

PY-G010 Puncture Gip ASTM F1306

GR-H010 Small Pneumatic Plane Grips ASTM D882

GR-B210 Friction grip ASTM D1894

SM Thickness Gauge

*Cometech reserves ultimate modification right of product specification.



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