

404D Series Drop Dart Impact Test Machine

Test Applications

This test machine is designed to test the impact strength or impact resistance of plastic film, sheet and other lamination materials according to the specifications of ASTM D1709; Method A and Method B.

ASTM D1709	Method A	Method B
Falling Height	66 +/- 1 cm (26 in)	152.4 cm (60 in)
Dart Diameter	38.1 mm	38.1 mm
Dart Material	Aluminum	Stainless Steel
Dart Weight	32 +/- 2 g	320 +/- 10 g
Maximum Dart Weight	300 g	1,310 g
Specimen Frame	ID 120 mm OD 150 mm	ID 120 mm OD 150 mm

Design features

Meets specifications of ASTM D1709 and ISO 7765-1
Stable frame
Adjustable dart weight

Overview

TestResources 404D Series machine is designed according to ASTM D1709 standard test for impact resistance of plastic film by a free falling dart. The machine can be used to test according to the practices of ASTM D1709 method A and method B. Materials used with this machine include plastic film, plastic sheet, and lamination materials.

Impact resistance of plastic films is determined by dropping a hemisphere dart head directly into the film from a specific height. The weight of the dropped dart is changed until a 50 % failure rate of the film occurs.



TestResources 404D