

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**