

IN STOCK

TEST MACHINES

Manufactured by MaDe Srl

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Technical Specifications:

Ball drop impact test

This test method covers the destructive ball drop testing of laminated flat glass product. Method implemented to evaluate the impact performance laminated flat glass sample when struck from a determined height by a steel ball.

Bake test

The supplied oven equipped with a ventilated system is capable of reaching temperatures within 200°C with increasing intervals of 10°C. Characteristics required enables laminated glass sampling testing to determine laminating adherence stability when exposed to elevated temperatures as to sun heat.

Boil test + high humidity test

The purpose of the boil test is to determine the strength of the laminated glass after production process while exposed to moisture and heat. Thru the supplied equipment specimens can be immersed into hot and subsequently boiling water for a specified period of time. Important procedure that can trace the dissolved quantity of air in-between glass and film, traces of bubbles or other defects may be revealed. The purpose of the high humidity test is to determine the quality of the laminated glass or laminated safety glass when exposed for a specific period of time to elevated humidity levels as those found in various atmospheric conditions. Essentially, such tests should not reveal major alterations of the laminated properties.

Pummel adhesion test

The supplied equipment will enable to submit laminated glass samples to -18° C, subsequently designated glass areas are struck with hammer to measure the bond strength between the interlayer and the glass. The laminate bond strength must be controlled to avoid potential problems of delaminating at low adhesion and impact failures at high adhesion.

