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Product Name:
Dart Impact Tester

Product Code:
PLASTIC SUK-AS03LAB006



Description:

Dart Impact Tester

Technical Specification:

Impact resistance or impact failure load of plastic films is defined as the weight of a hemispherical shaped dart, falling on the film held in a suitable clamp from a specified height, which causes failure of 50% of specimens tested.

The Dart Impact Tester for plastic films consists of a vacuum clamp of specified shape and size on which the specimen can be supported at its periphery in a horizontal plane, a dart with incremental weights, a vacuum pump with electric motor to provide the vacuum needed for holding the test specimen, and a clamping ring for holding thicker films during the test.

The dart used for striking the film under test has a hemispherical head of 38.1 mm diameter made of fiber reinforced bakelite and an aluminium shaft with mild steel tip for suspending it from an electromagnet. A set of annular shaped stainless steel weights is provided for changing the total mass of the dart for

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giving different impact energies. A foam padding is placed clamp to avoid damage to the dart head if it passes through specimen.	
The electromagnet for holding and releasing the dart is fixed on a bracket vertically above the centre of the clam arrangement for fixing the bracket at three different location the desired dropping heights is also provided.	
The equipment is built on a rigid steel frame and is finished in shore blue marpainting and bright chrome plating to give it a corrosion restinish.	
Technical Specifications	
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38atmenter of dart head	
Dimmenmsidiæmoeftelant \$haftmm long with 12.7 mm	
long mild steel tip	
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tingre tinental tovge∔g2t4sof
220 ppping & 200phts and 1524 mm
Related Standards
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M ethod 306 F: Impact Resistance of Flexible Films
py Falling Dart

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