

DeMattia Flexing Tester

Description

AHP PLASTIK MAKINA

DeMattia Flex-cracking Tester, to determine the resistance of rubbers, leather, and coated fabrics to the formation and growth of cracks, and damages by repeated flexing. Clamp the specimen in grip and flex it constantly, then observe the cracking degree to realize or compare its flex-endurance after flexibility fatigued.

What is the flexing resistance test?

Flexing resistance refers to the degradation or even destruction of the physical properties of a material or product under repeated flexing action. In flexing testing of rubber and coated fabrics, flexing resistance is usually expressed in terms of the number of times a specimen has been subjected to repeated flexing and the degree of surface cracking.

Test standards for flexing resistance of rubber and coated fabrics

ISO 7854: Rubber or plastics coated fabrics â€“ Determination of resistance to damage by flexing
GB/T 12586: Rubber or plastics coated fabrics â€“ Determination the flexing resistance to damage

Scope: This international standard describes three methods of assessing the resistance of rubber or coated fabrics to damage by repeated flexing.

- Method A: Dematttia Flexing Method
- Method B: Schildknecht Flexing Method
- Method C: Crumple Flexing Method

How to test the flex resistance of rubber or coated fabrics?

Fold a rectangular strip of coated fabric twice so that its long edges meet to form a 125 mm * 12.5 mm strip. Mount this folded strip between a pair of flat clamps. One of the clamps reciprocates, causing the folded test piece to bend outwards five times per second. This high-speed folding of the test piece is

continued for either a pre-set number of cycles or until damage to the test piece is apparent.

Specifications

- According to EN ISO 7854 Method A, ISO 7854 Method A, GB/T 12586 Method A
- 6 stations
- Grip distance in open position 70 mm
- Grip distance in close position 13mm
- Stroke length 57 mm
- Test frequency 300 cpm
- Digital counter included

ISO 7854 Rubber- or Plastics-Coated Fabrics -Determination of Resistance to Damage by Flexing / Testing Equipment

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