Flex resistance under load

Objective

This test reproduces the stresses to which the materials are subjected during flexing movements, and is used to check that the backing materials have suitable finishes, coatings, etc. It is particularly relevant for shoulder straps, handles, belts, watch straps, etc. For belts, this test simulates opening and closing movements.

Principle

The test consists of repeating a flexing motion on a strap specimen under tension.
The results correspond to the number of flexes taken to obtain deterioration of the component.

Type: Physical and mechanical test
Standard: BS 5131 § 4.2
Product: Belt
Criteria: Performance

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