

NF EN ISO 2439  
NF T56-111  
NF T56-014  
NF T56-110  
NF T56-119

19/10/2006

## **INDENTATION**

Group	1		
	1.3		

Ref.: S038

### **Principle**

This device allows for the fatigue of flexible cellular polymer materials to be determined by the process of indentations, repeated fixed deformations and constant loads.

The test consists of exposing the foam to an indentation of a force of 750N during 80000 cycles



Indentation\*

### **Description:**

Pressure is applied by a force sensor and a conditioning machine, which maintains a force of 750N throughout the test and each cycle

This maximum force must not be applied for any more than 25% of the length of each cycle.

Our instrument is equipped with a penetrator, of which, the useful part is

composed of a circular flat plate of 250mm in diameter, and of a pneumatic device allowing for the penetrator to be raised in order to insert the sample to be tested between that and the base plate.

This base plate is flat, shiny, not deformable and pierced with parallel rows of holes from 6mm to 20mm in distance in order to allow the air to escape from the sample.

*The number of cycles is programmable with the assistance of a preset counter.*

#### **Group:**

**1** Textile – **1.1** Clothing – **1.2** Health – **1.3** Technical – **2** Non woven – **3** Leather – **4** Thermoplastics – **5** Thermosets/Composites



*Designer of measurement benches*

SARL au capital variable de 7650 €

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## Technical characteristics:

Power:	220 or 380 V three phase
Compressed air:	6 Bars
Dimensions:	800 x 600 x 950 mm
Weight:	80 kg

*\*\* Characteristics given as an estimate, we reserve the right to freely modify them with the aim of improving the performance of our test device.*

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### **Our representative::**