

1. CONCEPT

- 1.1. **WEIGHT** is the weight of fabric used in the manufacture of the part, expressed in the unit g/m².

2. MATERIAL RESOURCES

The following are necessary for the execution of the process:

- Sample Cutter;
- Analytical balance;
- Calculator.

3. TESTING CLOTHES

3 testing clothes (A, B and C) must be cut from the piece of fabric, disregarding the ends (at least 2m) using the cutter of samples for preparation of the testing cloth, to calculate the weight average value.

Note: The testing cloth must be cut in diagonal direction, so that thread repetition does not occur.

4. MEASUREMENT PROCESS

Each of the following operations must be processed:

- Zero the analytical balance;
- Weight each of the three testing clothes individually and note the values in grams.
-

5. EVALUATION

The average weight of the values obtained in the test must be verified as follows:

- calculation of the arithmetic mean of the values of A, B and C are determined, in the formula:

$$(A+B+C) / 3 = D$$

- calculation of the average basis weight in g/m², in the form:

$$\text{Weight (g/m}^2\text{)} = D \times 100$$

