

1. CONCEPT

- 1.1. **SOLIDITY OF THE COLOR TO FRICTION** is the tendency presented by a fabric in transferring color to sample in white color, while suffering the action of friction . The evaluation can be done in the dry and wet states.
- 1.2. **SAMPLE** refers to a fabric base of neutral color (white), on which the colors of the fabric evaluated are marked, by means of the friction between both.

2. MATERIAL RESOURCES

The following are necessary for the execution of the process:

Sample (5x5 cm), in chemically bleached cotton (without optical bleach), material construction, 130 a 150 g/m².

Crock meter apparatus consisting of a base on which it dislocates in back-and-forth movement, a wiper arm, with amplitude of 10 cm, driven by crank handle. In the arm extremity, there is a pin of 1.5 cm in diameter, where a sample is fixed. Use 900g pressure on the sample tested.

Gray scale for evaluating color transfer, with scores varying from 1 to 5.

3. TESTING CLOTH

4 testing cloth must be cut (15x7 cm in size) from the piece made to assess the degree of color transfer in dry and humid states and in the directions of the weave and warp.

NOTE: Whenever possible, the testing cloth should be cut in diagonal direction, so that thread repetition does not occur.

4. MEDIATION PROCESS

Dry Friction, where each of the following operations must be processed:

Stretching the fabric to be tested in the apparatus base;

Fasten the dry the sample in the pin;

Put the pin on the fabric and rotate the lever until 10 cycles in 10 seconds are completed;

Withdraw the fabric from the pin for evaluation.

Repeat the procedure for the weave and warp directions.

Humid Friction, operated afterwards, where each of the following operations must be processed:

Repeat the procedure, with the moistened fabric so that it has its own mass in water.

After the test, withdraw the fabric from the pin and dry it at room temperature for further evaluation.

5. EVALUATION

The measurement of the amount of color transferred to the sample must be made in the directions of the weave and warp in dry and humid states, using the gray scale and color transfer within the following grading scale:

NOTE:	FABRIC APPEARANCE
1	Drastic color transference
2	Much color transference
3	Regular color transference
4	Little color transference
5	No color transference

