

## 1.3 TEST RESULTED OF TRACTION

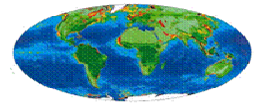
The value selected and indicated in the table is the one that is from the first breakage of the sample, since; it has been observed that after the first breakage, frequently, a partial increase of the tension due to the resistance of some fibbers takes place, that they are extended remarkably but without arriving at the breakage. In this case, perhaps by an irregular impregnating of the resin, some particularly resistant layers are become deformed plastic thus allowing, a greater extension of the sample.

Table. 5.2: test resulted of traction.

SAMPLE	LOAD [N]	DEFORMATION [?m]
A1	8250	593
A2	7606	473
A3	9268	2463
A4	6895	1512
A5	5357	743
B1	8986	9028
B2	2981	8302
B3	5348	9750
B4	7649	14432
B5	6137	16715
C1	9129	4883
C2	10621	8409
C3	8860	1500
C4	12428	6733
C5	11992	4119
D1	9129	7505
D2	7793	7489
D3	7790	8283
D4	7250	7300
D5	7800	8299
E1	4307	6898
E2	5574	8866
E3	8625	11004
E4	4355	5319
E5	9808	11399
F1	4322	5990
F2	5780	7480
F3	9890	10050
F4	12365	12478
F5	4709	6306
G1	6448	8459
G2	10474	9871

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G3	5723	12902
G4	8558	15876
G5	13141	11565
H1	5365	6535
H2	4893	8874
H3	7678	11224
H4	8017	10362
H5	10670	16755

The qualified instrument to test visualizes in the screen and by means of specific software, the curve of the deformation based on the load, obtaining therefore the necessary values for the calculation of the maximum force in the breakage point.

The data relative to the tests are Memorized in a disc and studied successively

In figures 5.3, 5.4, 5.5, 5.6, 5.7, 5.8, 5.9, 5.10 are the graphs relative to the curve of the deformation, produced in each one of the forty samples that have been put under traction.

It is possible to verify like inside the groups To, B, G and H there exist curves of deformation that change very much between(among) a sample and other one, overcoat in all that it(he, she) refers to the maximum reached stretching. Nevertheless, the samples belonging to the groups And, F, G, H differ mainly between(among) them for the different values of the maximum load.

The groups of test(proof) that they have provided a major uniformity in the results, be for the load as(like) for the stretching, they are C and D.

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