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Test report

P 4730-5-1-e

Testing order:

**Tensile strength of
Elastoturf (851)**

Customer:

**Polat S. A.
34, 25th Martiou Str., N. Efkarpia
56429 Thessaloniki/Greece**

Persons in charge:

**J. Magner
Dipl.-Ing. (FH) N. Treichel**

Date of the test report:

2007-11-05

This test report comprises:

5 pages



C O N T E N T S

1	SUBJECT	3
2	RECEIPT OF SAMPLES.....	3
3	PREPARATION OF TEST SPECIMENS.....	4
4	TEST	4
4.1	Tensile strength at 23 °C and at - 20 °C in accordance with ASTM D 638-90	4
5	SUMMARY.....	5

1 SUBJECT

The Polymer Institut has been charged by the Polat S. A., Thessaloniki/Greece, to carry out the test of

Tensile strength at 23 °C and at - 20 °C in accordance with ASTM D 638-90

of the material

Elastoturf (851).

2 RECEIPT OF SAMPLES

On 2006-12-06 the following materials have been submitted to the Polymer Institut by the customer:

Table 1: Receipt of samples

No.	Material designation	Quantity [kg]
1	Elastoturf (851)	5
2	Acrylex 165 (1101)	0,6

3 PREPARATION OF TEST SPECIMENS

3.1 Preparation of the free specimens

The test specimens have been prepared as indicated in the respective standard using the mixed material *Elastoturf (851)*. The dimensions of the used test specimens are given in the respective clause. Prior to testing, the test specimens have been stored at standard atmosphere DIN 50014-23/50-2.

4 TEST

4.1 Tensile strength at 23 °C and at - 20 °C in accordance with ASTM D 638-90

The tensile strength has been determined retaining the following test conditions:

Test apparatus: Universal testing machine UPM 1445, company Zwick, in accordance with ISO 5893
Test specimen: Type 1
Test temperature: 23 °C
Test speed: 5 mm/min
Number of specimens: 5
Evaluation: Tensile strength = Tensile stress at maximum force in MPa

The results are to be taken from table 3 as mean values of 5 single values.

Table 3: Tensile strength

Material	Temperature [°C]	Tensile strength [MPa]	Elongation [%]
Elastoturf (851)	23	1,3	37
	-20	20,1	1,8



5 SUMMARY

On behalf of the Polat S. A., Thessaloniki/Greece, the test

Tensile strength at 23 °C and at - 20 °C in accordance with ASTM D 638-90

of the material:

Elastoturf (851)

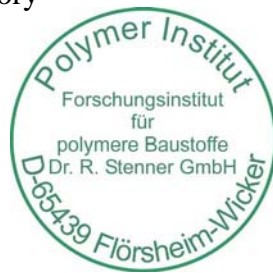
was carried out at the Polymer Institut.

The results are to be taken from the preceding clause 4.

Flörsheim-Wicker, 2007-11-05

The head of the testing laboratory

J. Magner



The person in charge

Dipl. Ing. (FH) N. Treichel