Forschungsinstitut für Wärmeschutz e.V. München

Forschungs- und Prüftätigkeit auf dem Gebiet des Wärme- und Feuchteschutzes im Bauwesen und bei betriebstechnischen Anlagen. Bauaufsichtlich anerkannte Prüf-, Überwachungs- und Zertifizierungsstelle

FIW MÜNCHEN

TEST REPORT *)

Applicant:	**L'Isolante K-FLEX S.r.l.** I-20040 Roncello (MI)/Italy
Content:	Determination of the Tensile Properties according to ASTM D 1623 – 78, at 23 °C
Material:	**„K-Flex ST"**
Material Identification:	Sheet material out of flexible elastomeric foam with skins. Nominal thickness: 25 mm Density: 61 kg/m^3
Sampling:	The samples were taken on 20th June 2001 at the plant Roncello/Italy by employee of FIW.
Test report No.:	L1.3- 7/2002
Date:	July 12, 2002
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Procedure:

The test specimens have been conditioned for 48 hours at 23 °C, the dimensions have been measured. Then the Tensile test has been made according to ASTM D 1623-78 in length and width direction of the sheets at 23 °C. Instead of Type A specimens, test specimens with a width of approx. 25 mm and a thickness of 12 mm were used. The Tensile Strength at breaking load, the elongation and the Tensile modulus of elasticity have been calculated out of the dimensions, the recorded extension and corresponding load curve.

Results:

The test results at 23 °C for the two directions are summarized in the following table:

	No.	Tensile Strength kPa	Elongation	Tensile modulus kPa
X-Direction length-direction	1	160	70	200
	2	170	62	240
	3	150	66	200
	4	180	54	260
	5	150	62	210
	mean	160	63	220
Y-Direction width-direction	1	120	50	180
	2	110	61	150
	3	100	57	150
	4	100	48	160
	5	100	42	160
	mean	110	52	160

Remarks: --

Gräfelfing, July 12, 2002 WA-rb
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