

Test Report of Fiberglass Geogrid 50x50KN




Institut für
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Gutenbergstr. 29
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Germany

Test Report No. 1.1 / 19523 / 494.0.1-2007e

General

Issued : 11 July 2007

Order by  Poland

Material : Coated glass-geogrid (black)
Glasstech 50/50
(declaration by customer)

Order date : 02 July 2007

Samples delivered : 02 July 2007

Tests	Standard	Issue	Results as Enclosure No.
1. Wide-width tensile test	EN ISO 10319	06.1996	A1 - A2
2. Force at 0,5%, 1,0%, 1,5%, 2,0% and strain at nominal force			A1 - A2

The results apply exclusively to the specimens submitted.
The date of testing is reported on the enclosed enclosure/-es.
Results are reported to the accuracy given in the standards. In statistical evaluation, the measured accuracy is taken.

This test report contains 2 pages and 2 enclosure/-es (enclosure/-es A1 - A2)
It may not be published in parts. Only the summary of results may be published as
"Extract of Test_Report No. 1.1/19523/494.0.1-2007e".

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Akkreditierung:





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Summary of results Test Report No. 1.1 / 19523 / 494.0.1-2007e

Date / Ref. : 11 July 2007 / tb

Order by _____ - Poland

Material : Coated glass-geogrid (black)
Glasstech 50/50
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Test		Standard	Unit	Mean X	Standard- deviation s	Coef. of variation v in %
Wide-width tensile test		EN ISO 10319 06.1996				
Tensile strength	MD		kN/m	61,6	4,57	7,4
	CMD		kN/m	63,0	1,83	2,9
Strain at maximum load	MD		%	1,3	0,27	20,1
	CMD		%	1,5	0,21	14,0
Force at strain 0,5%	MD		kN/m	31,8	6,40	20,1
	CMD		kN/m	24,7	4,78	19,3
Force at strain 1,0%	MD		kN/m	51,6	6,23	12,1
	CMD		kN/m	45,0	4,87	10,8
Force at strain 1,5%	MD		kN/m	62,4	2,30	3,7
	CMD		kN/m	-	-	-
Force at strain 2,0%	MD		kN/m	-	-	-
	CMD		kN/m	-	-	-
Strain at nominal force	MD	50 kN/m	%	0,9	0,16	17,4
	CMD	50 kN/m	%	1,1	0,13	11,7



Th. Boonk
Physiklaborant

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Wide-width tensile test EN ISO 10319 (06.1996)

Test Report No. : 1.1/19523/494.0.1-2007 Date : 11.07.2007
 Company : f Material : Glasstech 50/50
 Operator : tb Test direction : CMD

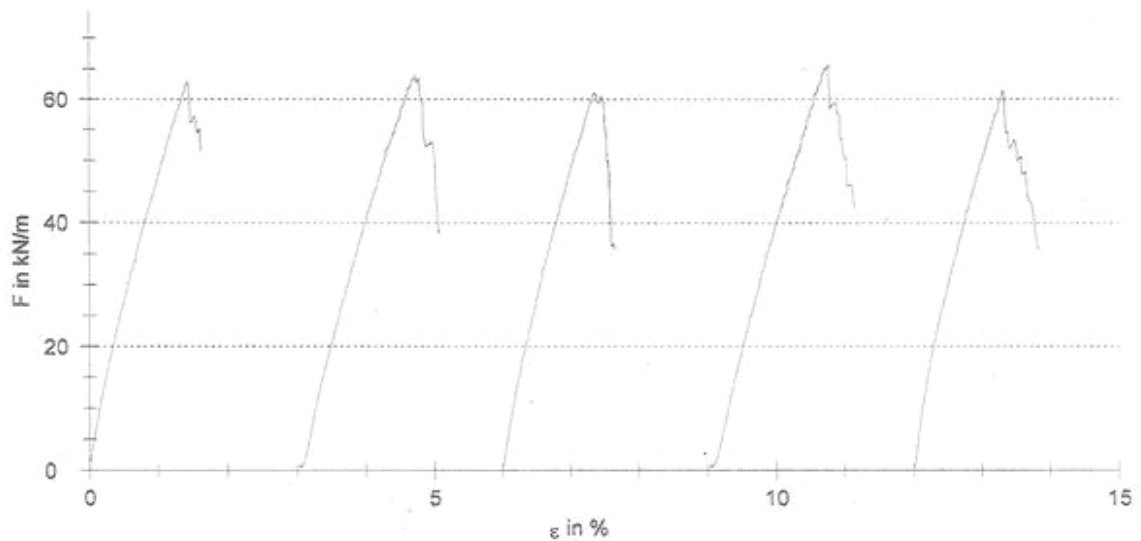
Test parameters

Climate : 23 °C / 58 % r. humidity Specimen width b0 : 192,9 mm
 Machine : Zwick Z250 Teststrands : 7
 Load cell : 250 kN Strands/ m : 36,3
 Extensometer (path): Video LE : 100 mm
 Specimen grips : Demgen M250 Pre-load : 120 N

Results

Nr	Fm N	Fm kN/m	Am %	F at 0,5% kN/m	F at 1% kN/m	F at 1,5% kN/m	F at 2% kN/m	Strain at nom. load %	v-test %/min
1	12156	63,01	1,43	27,09	47,75	-	-	1,07	17,82
2	12331	63,92	1,72	20,31	40,04	57,48	-	1,27	21,11
3	11796	61,15	1,36	27,48	48,09	-	-	1,05	17,23
4	12643	65,54	1,77	18,91	39,47	58,09	-	1,29	21,56
5	11840	61,38	1,31	29,70	49,76	-	-	1,00	16,58

Series graphics



Statistics

Serie n = 5	Fm N	Fm kN/m	Am %	F at 0,5% kN/m	F at 1% kN/m	F at 1,5% kN/m	F at 2% kN/m	Strain at nom. load %	v-test %/min
x	12153	63,00	1,52	24,70	45,02	57,78	-	1,14	18,86
s	353	1,83	0,21	4,78	4,87	0,44	-	0,13	2,31
v	2,90	2,90	13,99	19,33	10,82	0,76	-	11,72	12,24

Note: -