

SGS-CSTC Nanjing Branch  
 19/F,Ruihua Building, No.315, Zhongshan South Road, Nanjing,Jiangsu Province, China P.C:210001  
 Tel:86 025 83466455  
 Fax:86 025 83466107

## INSPECTION REPORT

Report No.: **NKGWT00047939**

To :	NANJING EFG CO.,LTD	Date:	27-Dec-2010
Att :	Kelven		
From :	Mike Wang	E-mail :	83407773 / mike-w.wang@sgs.com

SGS File No.:	CNNKG12905613	Product family view
Buyer		
Supplier :	NANJING EFG CO.,LTD	
Manufacturer :	NANJING EFG CO.,LTD	
Style Number:	3200M/1600M	
Product description:	FIBERGLASS MAT	
P.O. Number:	EFG101115D	
L/C Number:	N/A	
Service performed :	FRI	
Inspection Date :	From 24-Dec-2010 To 25-Dec-2010	
Inspection Location :	JIANGSU, CHINA	

### Inspection Criteria

Reference sample provided by	Not Available
Client instruction/specification	Yes
SGS WI number	Client spec
Other	N/A

<b>Overall Inspection Conclusion:</b>	<b>Subject to client's evaluation</b>
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### Inspection Summary:

1. Quantity :	Conform
2. Style, color :	Subject to client's evaluation
3. Workmanship appearance / function :	Conform
4. Data measurement / field tests:	Conform
5. Packing :	Subject to client's evaluation
6. Marking / label :	Subject to client's evaluation

### Problem Remark:

N/A

Inspector: Hanson Sun Factory Representative: Mr Huang

**1. Quantity:** Conform

Style / Item/ Article	P.O. No.	Order Qty.	Inspection Qty. (Presented Qty. for insp.)		Number of Cartons	
			Packed	Not Packed	Packed	Not packed
3200M	EFG101115D	440	440	0	N/A	N/A
1600M	EFG101115D	70	70	0	N/A	N/A
Total:		510	510	0	N/A	N/A

**2. Style & Color Conformity:** Subject to client's evaluation

Comments:  
No ref sample for comparison, please

**3. Workmanship Appearance / Functional Inspection Findings:** Within AQL

**Inspection Method Applied:**

ANSI / ASQ Z1.4- 2008, Single sampling plans for normal inspection,  
Level Fixed Sample size: Fixed  
Acceptable Quality Level (AQL) for: Critical: N/A Major: Actually found Minor: Actually found

Defect description	Critical	Major	Minor
No defect found	0	0	0
Total defectives:	0	0	0
Maximum allowed:	0	0	0

**4. Product-Specific Data Measurement / Field Test on Reduced Sample Size:** Conform

Check points	Qty	Test Result	Specification/Tolerance
Overall length for 1600M	1pcs	1610.6M	1600M
Overall length for 3200M	4pcs	3211.5,3210.8,3212.6,3204.9M	3200M
Gross weight for 1600M	4pcs	80.5,81.5,82,83.5kg	Min.80kg/1600m
Gross weight for 3200M	12pcs	165~190kg	Min.160kg/3200m
Width	16pcs	100.1~100.3cm	100cm
Unit weight: g/m2	16pcs	48.0~54.4	Min.47g/m2 Average 50g/m2
Tensile strength	16pcs	214.7~309.3N	MD: ≥200N/5cm
Tensile strength	16pcs	95.2~117.5N	CD: ≥75N/5cm
Width from yarn to edge	16pcs	3~15MM	≤15MM
Yarn space	16pcs	66~67pcs	Average 15mm/ (≥66pcs/m)

## 5. Packing:

5.1 Individual packing conformity : Subject to client's evaluation

Comments:

Each product wrapped with polyfilm, sealed with clear tap.

5.2 Inner packing conformity : Not Applicable

Comments:

N/A

5.3 Export packing conformity : Not Applicable

Comments:

N/A

5.4 Samples selected from carton numbers: Randomly selected 16 rolls for inspection.

Roll NO for 1600M :721809,721808,721816,721817

Roll NO for 1600M :

720934,720935,721652,721693,721719,721718,720936,720937,720962,720963,712727,712726

## 6. Marking / Label:

6.1 Bar code: Not Applicable

N/A

6.2 Shipping mark conformity: Subject to client's evaluation

Comments:

Please see digital photos for detail.

6.3 Marking & label conformity: Not Applicable

Comments:

N/A

## 7. Informative Remark:

7.1 The results of tensile test are average value of 5 selected point.

7.2 Selected 1 roll of style 1600m and 4 rolls of style 3200m for visual check, Found no hole, no crack, no break and no other obvious defect.

## 8. Inspection Environment:

Lighting :	Daylight Sufficient
Inspection place :	Factory workshop
Inspection done on:	Table
Cleanliness :	Clean
Weather condition:	Dry

## 9. Attachment



Storage



Storage



Product(3200m)



Label on product



Product(1600m)



Label on product





**Roller eight check**



**Unit weight**



**Tensile test(MD)**



**Test date**



**Tensile test(CD)**



**Test date**



Visual check

NO.	Roll NO.	Overall length:M	Gross weight:kg	Width:M	Unit weight: g/m2	Tensile strength:N		Width from yarn to edge:mm		Yarn space
		3200M/1600M	Min.160kg/3200m Min.80kg/1600m	100CM	50g/m2±3g/m2	MD: ≥ 200N/5cm	CD: ≥ 75N/5cm	Left	Right	Average 15mm/ (≥ 66pcs/m)
1(1600M)	721809	1610.6	82	100.1	49.4	253.7	100.5	6	8	67
2(1600M)	721808	1	83.5	100.2	50	245.2	117.5	5	15	67
3(1600M)	721816	1	81.5	100.2	48.7	214.7	96.6	4	15	67
4(1600M)	721817	1	80.5	100.2	48.0	226	97.3	9	9	67
5(3200M)	720934	1	170	100.3	51.2	261.4	99.3	8	12	67
6(3200M)	720935	3211.5	172	100.2	51.8	268.2	111.1	9	15	66
7(3200M)	721652	3210.8	166	100.1	49.2	240.5	101.8	9	4	67
8(3200M)	721693	3212.6	166	100.2	50.6	237.1	101.2	9	14	67
9(3200M)	721719	1	167	100.3	49.8	301.3	97.8	6	14	67
10(3200M)	721718	1	168.5	100.3	50.8	267.5	108.1	9	15	67
11(3200M)	720936	3204.9	170	100.2	54.4	233.9	95.2	3	13	67
12(3200M)	720937	1	137.5	100.2	53	219.7	89.1	5	14	67
13(3200M)	720962	1	172	100.2	52.6	286.4	100.5	4	15	67
14(3200M)	720963	1	169	100.3	51.4	257.9	110.8	4	9	67
15(3200M)	712727	1	165	100.2	48.8	265.3	102.4	8	11	67
16(3200M)	712726	1	167	100.2	49.8	263.6	114.3	4	11	67

Test date

NO.	Roll NO.	Tensile strength:N											
		MD: ≥200N/5cm						CD: ≥75N/5cm					
		1	2	3	4	5	Aev	1	2	3	4	5	Aev
1(1600M)	721808	237.5	243	257	242.5	288.5	253.7	94	104.5	91	106.5	106.5	100.5
2(1600M)	721808	250	246	220.5	248.5	261	245.2	116.5	118	117.5	111.5	124	117.5
3(1600M)	721816	234	228	211.5	185.5	215	214.7	92.5	109.5	92.5	94	94.5	96.6
4(1600M)	721817	207	258.5	252	213.5	189	226	100	95.5	86.5	98.5	106	97.3
5(3200M)	720934	254.5	255	276	230.5	271	261.4	97	102.5	99	102	96	99.3
6(3200M)	720935	266.5	270	294	262	268.5	268.2	119.5	112	108	112	104	111.1
7(3200M)	721652	239.5	264	246	236	217	240.5	109	102.5	106	99	92.5	101.8
8(3200M)	721693	225	239	248	260	213.5	237.1	96	102.5	102.5	105.5	99.5	101.2
9(3200M)	721719	310	267	311	247.5	311.5	309.3	94	99.5	85	102.5	108	97.8
10(3200M)	721718	257.5	241.5	273.5	274	251	269.5	92.5	100	121.5	113.5	115.5	108.6
11(3200M)	720936	219.5	236.5	255.5	231.5	227.5	233.9	79.5	99.5	99	106.5	91.5	95.2
12(3200M)	720937	231.5	246.5	215	194	211.5	217.7	95.5	89	83.5	84	93.5	89.1
13(3200M)	720962	274	294.5	305.5	278.5	279.5	286.4	98	99	100.5	106.5	98.5	100.5
14(3200M)	720963	270.5	271.5	233.5	293.5	220.5	257.9	115.5	107	110	110	111.5	110.8
15(3200M)	<del>721717</del>	249.5	275	280	250.5	271.5	265.3	97.5	102.5	93.5	105.5	113	102.4
16(3200M)	712726	250	263.5	284	259	261.5	263.6	125	120	118.5	107	101	114.3

Test date