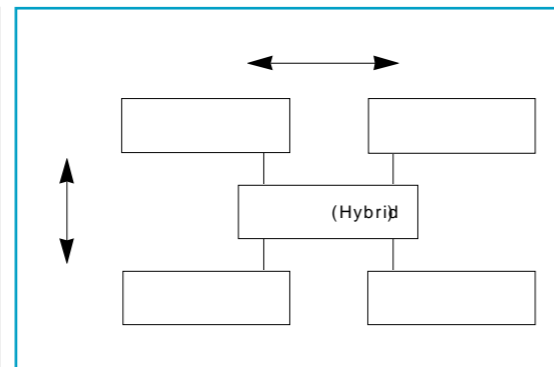


(Membrane Structure)

| 02) 3433 - 7728 | eastmind@hanmir.com



[1]

[1]

가

가

(Cable-Net)

(Net)

가

1.

가

가 가 (Wrinkling) 가 가

가 가

가

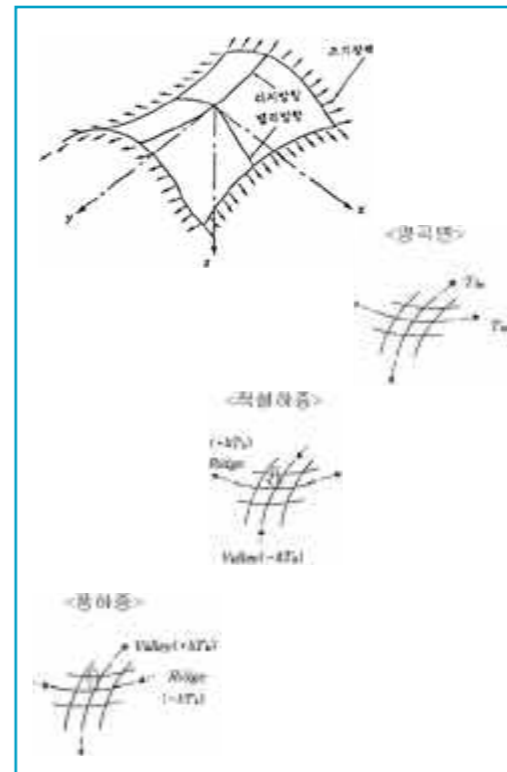
[2]

Valley Cable Ridge

Cable

Valley Cable

Ridge Cable



[2]

2.

가 가

가 가

PTFE (), SILCON

, PVC 가 가

PTFE

PTFE 1974 PVC

가

PTFE

ASTM

(1) 가

ASTM D 4851

PTFE

[1] [2]

[1] PTFE

	()	: 0.15 mm : 410 g/m ²
	4	85%
	()	: 0.5 mm : 480 g/m ²
	()	: 25 / 25 mm : 19 / 25 mm

Technical Report

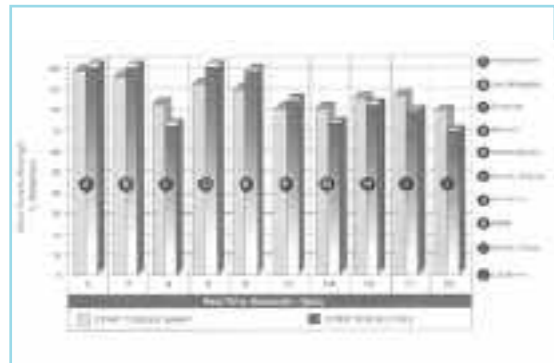
[2] PTFE	
	1.3 ± 0.13 kg/m ³
	0.8 ± 0.1 mm
	25 ± 2 / 25 mm
	19 ± 2 / 25 mm
	450 kg / 30 mm
	360 kg / 30 mm
	3 ~ 10 %
	6 ~ 15 %
	30 kg
	30 kg
	13 ± 3 %
	2.5 kg / cm

(2)

ASTM E 108, 136
ASTM D 4851

[3] 7
[3]

[3] PTFE						
	0	3	1	3	5	7
(kg / in)	337	302	304	305	300	286
(%)	100	90	90	90	89	85
(kg)	43.3	37.5	35.5	36.9	-	35.7
(%)	100	87	82	85	-	82



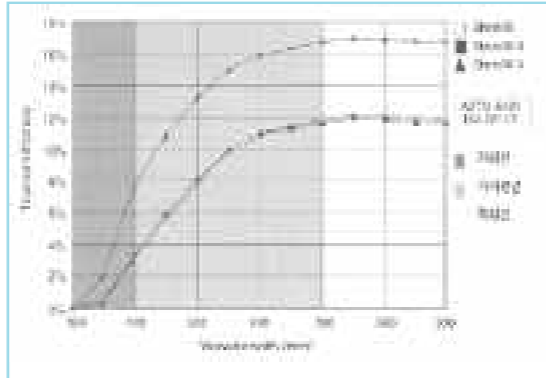
[3] PTFE

7 82 ~ 85%
15 ~ 20 72 ~ 85%

(3)

12% 가

ASTM D 4851

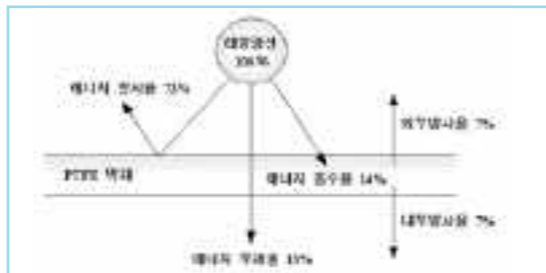


Shearfill CHEMFAB ()

[4]

(4)

13%



[5]

3.

가

가

(1)

가 가

200 ~ 500kgf7m

(2)

가가

가

(3)

가

[6]

가

가

(4)

가

가

가

Technical Report

(5)

(Wrinkling)

4.

()

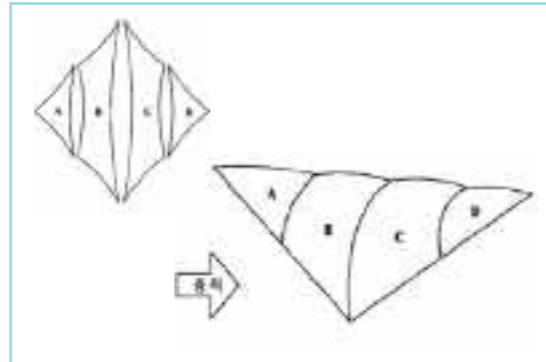
[7]

(1)

1~5m

가

3
가 가 ()



[8]

가
가 가

가

PTFE ASTM 70
mm

[4]

[4]

D < 20 mm	D + 0.5 mm
D ≥ 20 mm	D + 1.0 mm
D:	

(2)

PAD

(, 가)
가

가 가
가

(3)

1. Annual Book of ASTM Standards, 1994
2. , 1996
3. , 1997
4. 2002 FIFA
1999
5. , 2000
6. 12 4 , 2000
7. , 2001
8. , 2001