

1.

,

가 30~40%가

가

가

2.

,

(elastic yarn)

가

가

,

가

,

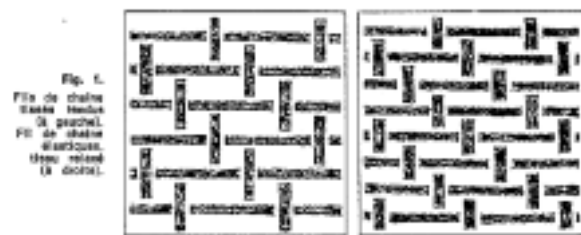
(1).

500~600%

(elasthane)

.

(nylon) (thermosetting) .
 (core-twist) 가
 (ring frame) (double twister) 가
 (ply yarn) 가 (pagastic)
) pagastic ; Payen elastomer nylon yarn



< 1> :
 :

3.

가 25~30%
 가 (hysteresis) 가
 , , , 가
 가

(mechanism)

1)

가 , 22dtx, 44dtx, 78dtx

가 ()

2가 1 .

a)

○ : 330g/cm 가 % .

○ (remanence) : 5 1

○ 10% 10% : 10%

○ (saturation) :

/cm

b)

○ , 10%

() .

○ .

○ 가

가 .

○ , 가

10% .

,

가

2)

Nm 2/40

가

가

가

Nm 2/40

3)

: (taffeta),

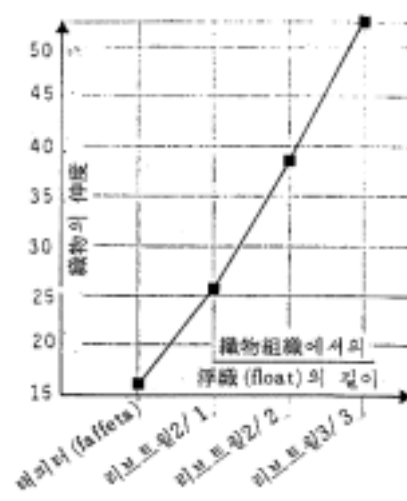
(ribbed twill) 2/2,

(ribbed twill) 3/2,

(ribbed twill) 3/3

4

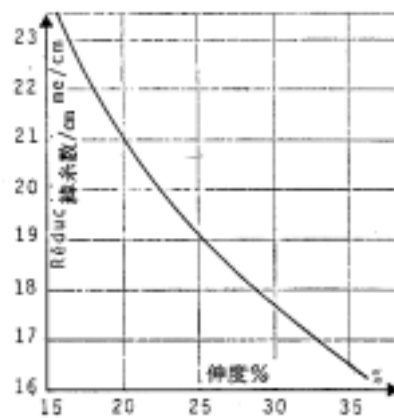
(float)



4)

(/cm).

: 16, 17.5, 19, 20.5, 22, 23.5, 25, ,

 $\langle 3 \rangle$

4. 가 (finishing)

가

가

가 가

0 , , .

○

가 가 가

(degradation)

,

가

,

가

4

가

(boiling)

10%가

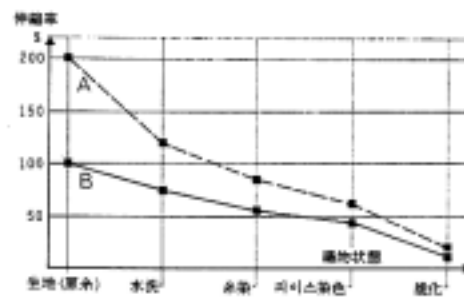
가

,

가

가

가



< 4 >

A :

B :

, (boiling)

(%)

가

○ 60~80 (beck)

○ 170~180 30 ~1 (overfeed)

(ventilation)

- (brushing)), (shearing))
 , (steaming treatment)(30~40
) .
- 2~3% (overfeed) (decatizing) .

5.

가 (finishing) 가
 (pagastic)/ (Lycra)

- 1)
 ○ : 10cm, 5cm () 1.65kg
 3.30kg(가 (pagastic)) 5

- :
- a) 5 1
- b) 5cm, 20cm 2 18%

- :
- a) 50×50cm 40
 3 24 (conditioning)
- b) a) (Hoffman press) (plate)

1cm

0.5 (steam)

0.5

0.10 .

5 .

2)

○ : 25%, 35%

○ :

a) 5 1 -1.5%

b) 2 18% 1 -3%

○ :

a) 40 3 - 3%

b) 2 (plate) 25 (steam) - 3%

6.

가

.

○ 30%

○

○ 가

○ 2/2 3/3

,

가

,

,

.