

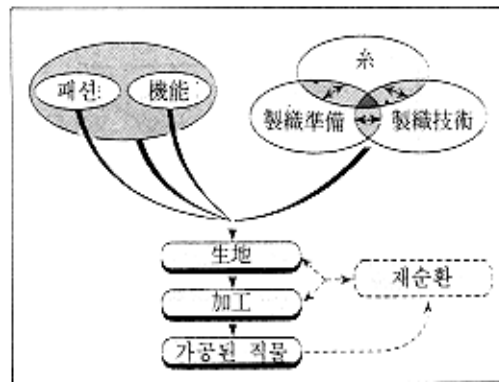
1.

가 가

○

○

< 1>



< 1>

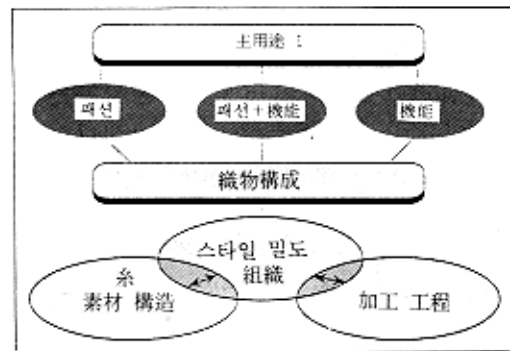
가 가 , , 가

< 2>.

가

, , ,

.

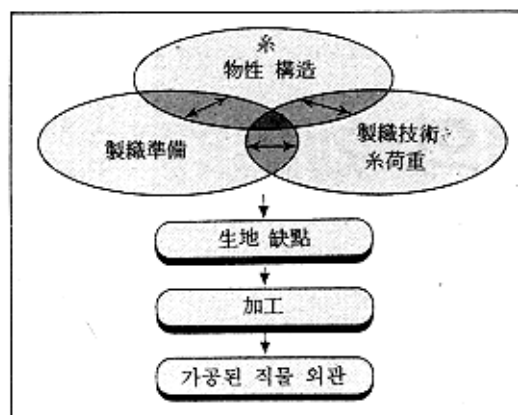


< 2>

가

가

< 3>



< 3>

가

가

가

가

가

가

가

가

0.13mm

가

가

가

가

가

가

가

2.

가

가

<

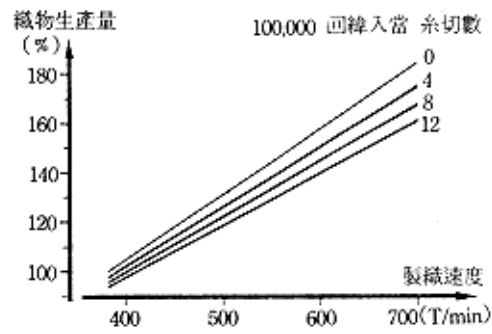
4>

가

가

가

가



< 4>

가

가

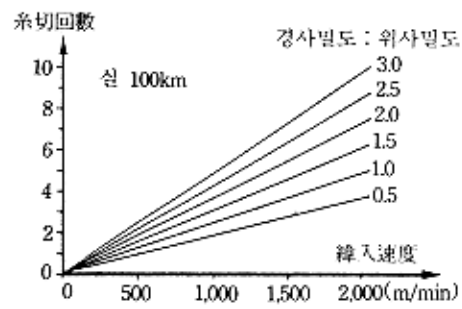
가

가

가

< 5>

가



< 5>

70%

가

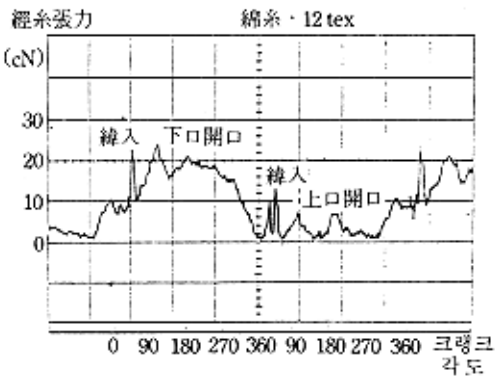
가
가

3.

가
가

< 6> 2

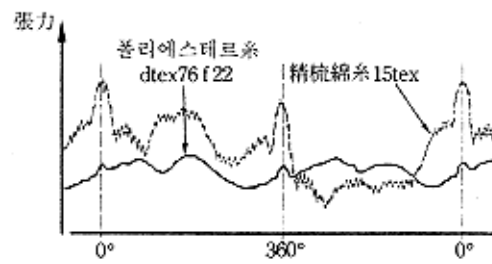
가



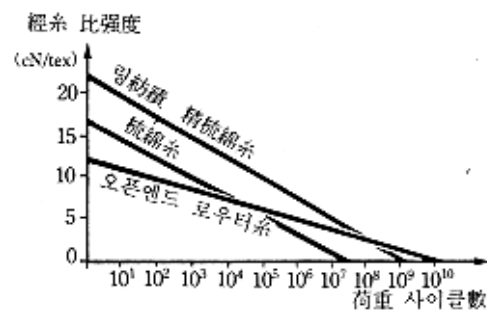
< 6> (7,100 350rpm)

< 7>

가



< 7>



< 8>

(가)

가

가 < 8>

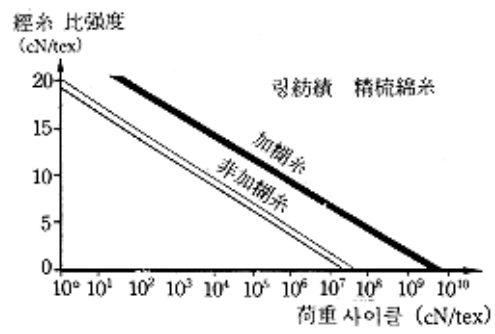
가 3가

가

가

가

가

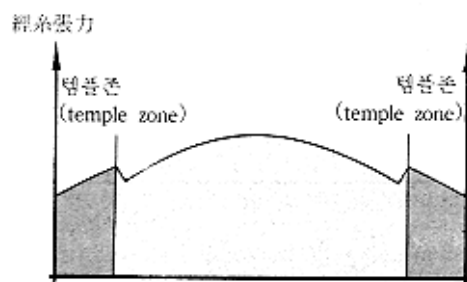


< 9>

가

가

< 10>



< 10>

가

가

가 25% ,

50% < 11>.

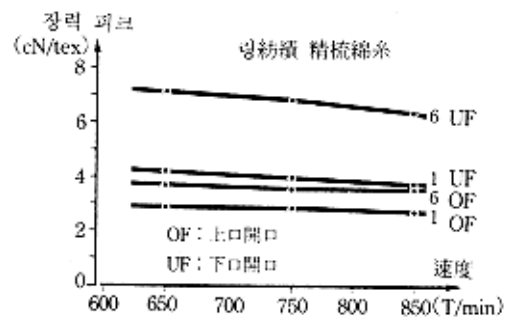
가

가

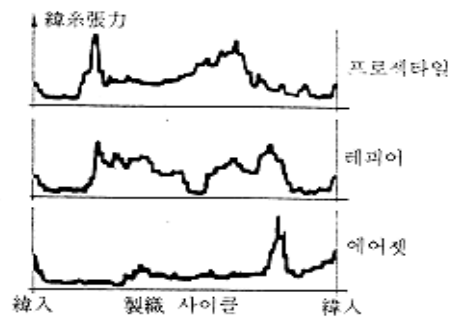
가 가

가

가 < 12>



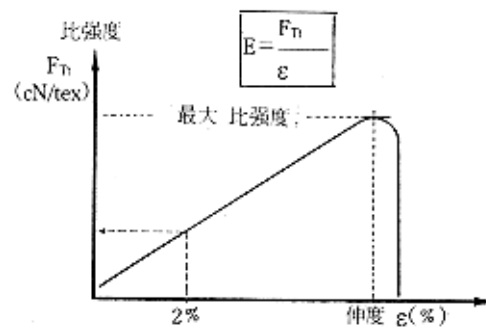
< 11> ()



< 12> ()

가

< 13>



< 13>

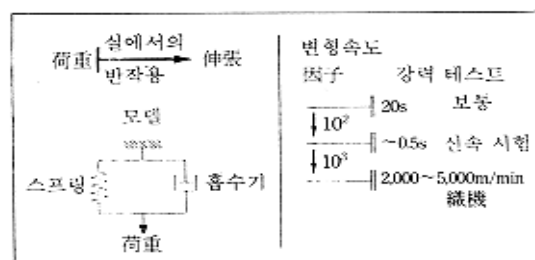
짧은 하중으로 표시되는 복합력은 에너지 계산식에 의해 결정된다.

$$F = V_F \cdot \sqrt{E} \cdot 10^{-2}$$

$$\Delta L = L \cdot \frac{V_F}{\sqrt{E}} \cdot 10^{-2}$$

F : 比強度
 V_F : 速度
 ΔL : 總伸度
 L : 荷重
 E : 탄성 모듈러스

< 14>



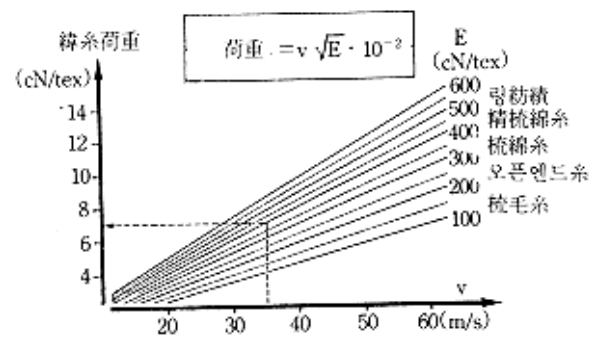
< 15> ()

< 14>

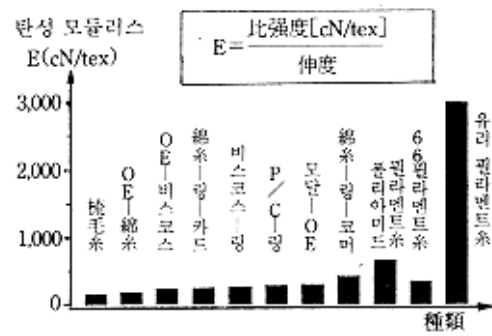
< 15>

< 16>

< 17>



< 16>



< 17> (2%)

가

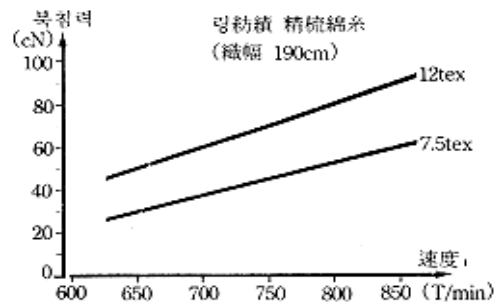
가 < 18> 2

가

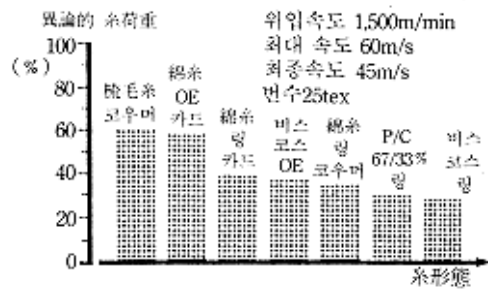
< 19> 가 1,500m/min

가

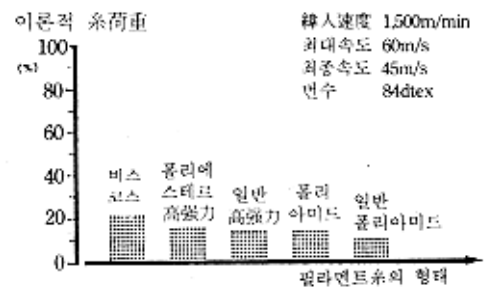
< 20> 가



< 18> ()



< 19> ()

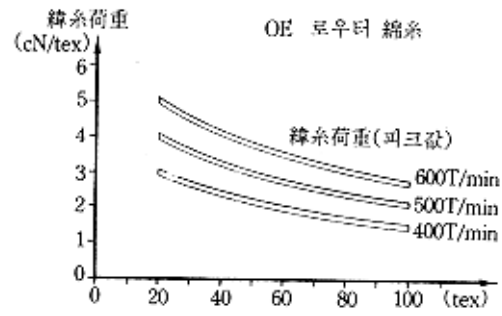


< 20>

가

< 21>

가 가



< 21>

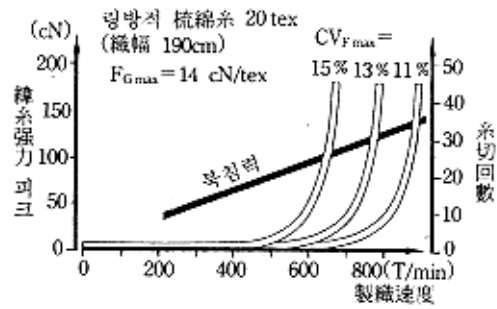
가

가

가

가

< 22>



< 22>

< 23>

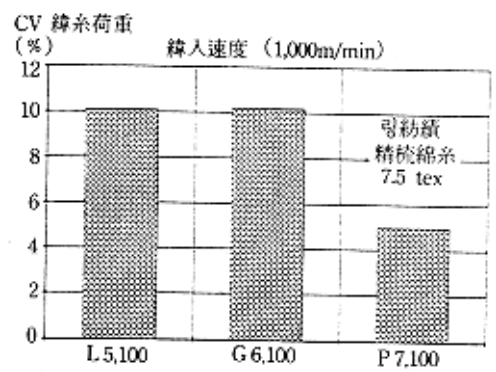
가

가

가 가

< 24>

가



< 23>

ring紡績 精梳綿糸 7.5tex 緯入速度 : 1,150m/min	
緯糸荷重	糸強力
복침력 : 9cN/tex	Fmax : 20cN/tex
CV _{Sp} : 5%	CV _{Fmax} : 11%
S _{Sp} : ±0.45 cN/tex	S _{Fmax} : ±2.2cN/tex
因子 1 : 5 糸強力 變動이 5배 크다.	

< 24> ()

○

가

○

가

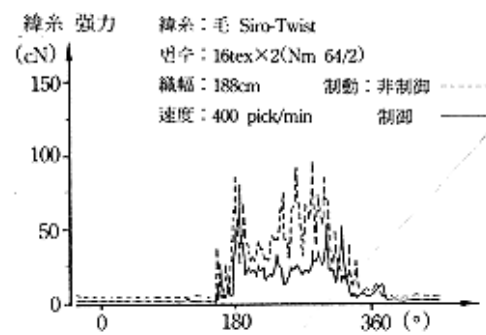
○

가

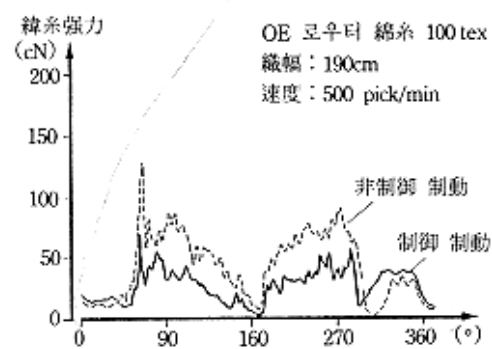
< 25~27>.

가

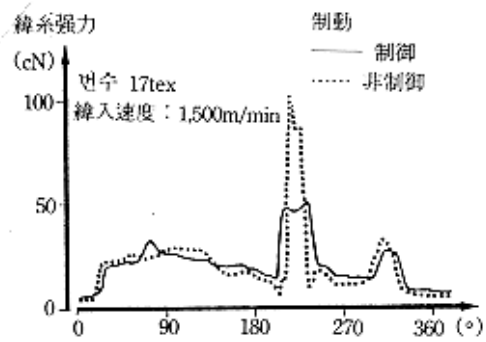
가



< 25> ()



< 26> ()



< 27> -OE ()

○

○

○

가

4.

가

가

가

가

가