

1.

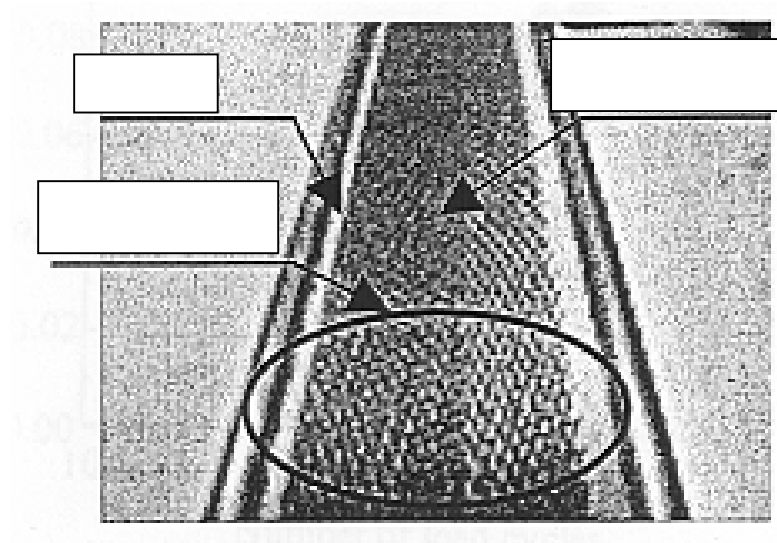
가 ,

.

2.

, (基布), (),

3가 , . < 1>

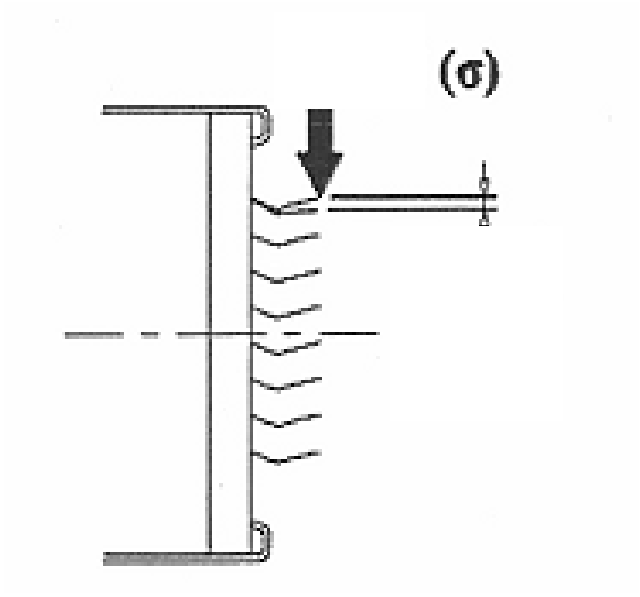


< 1>

2.1

가

6



< 2> 가

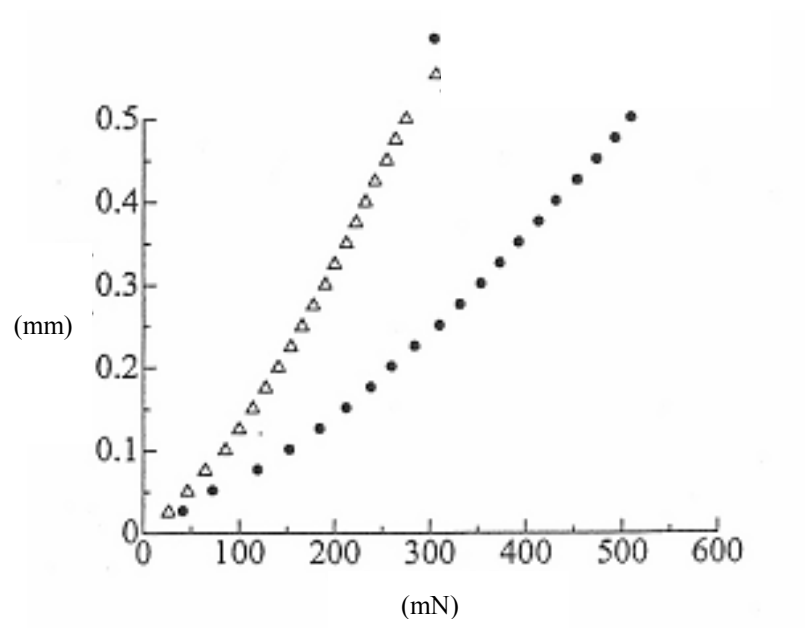
2.1.1

< 2>

< 3>

< 3>

1/3



< 3>

2.1.2

가 (Fatigue test)

< 4> SHIMAZU(EHF-FB05-4LA)

50kgf(1 100gf), 10Hz . < 5>

가 (δt)

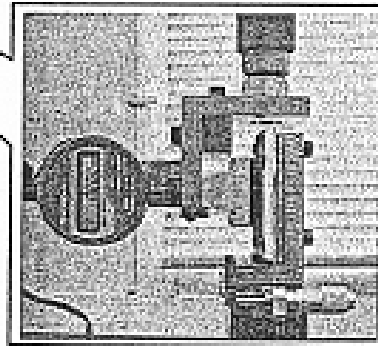
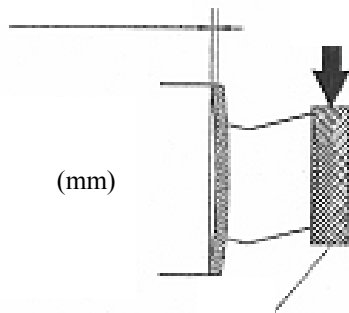
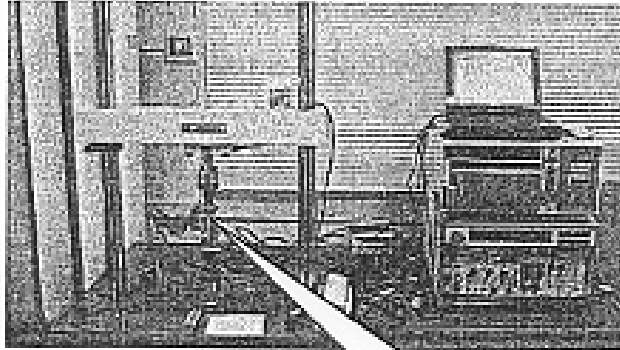
가 가 가 ,

100 가 ,

1/5 .

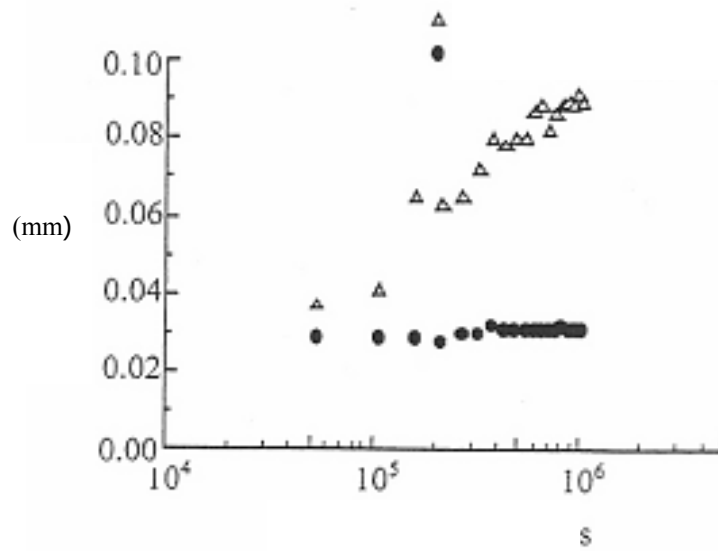
,

, 5



< 4>

(Fatigue test machine)



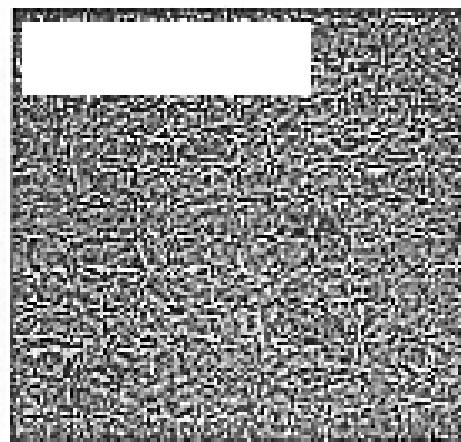
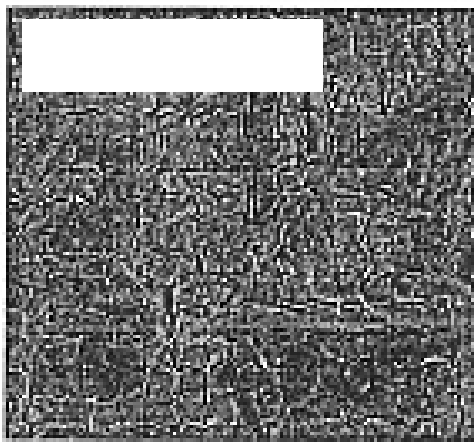
< 5>

(Fatigue test)

2.2

가 가
(martensite)

. < 6>



< 6>

(×1500)

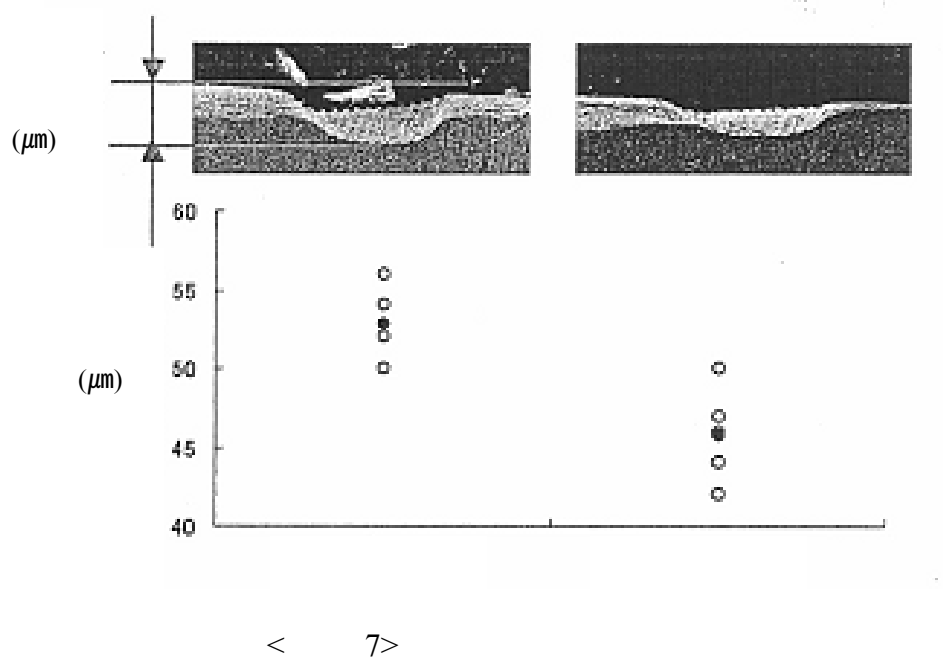
2.2.1.

가

< 7>

(martensite)

가



2.3.

(heel)

(toe)

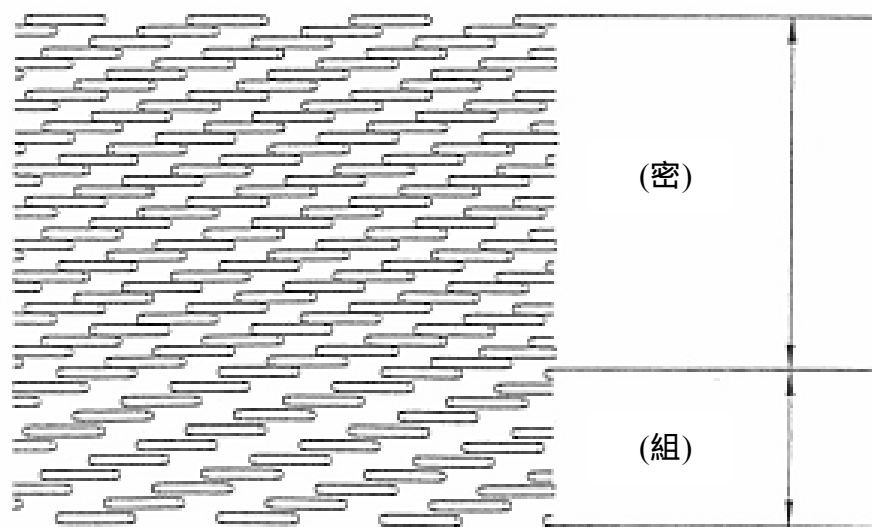
2

2.3.1.

2

2.3.2.

< 8>



< 8> (組密)

3.

(組密)

< 1> (USTER AFIS)

(mm)	21.0 – 22.0
(n)(%)	35.0 – 39.0
(mTex)	150 – 160

< 2>

	CC96XKFA
	DU34DH03

< 3>

(r.p.m.)	470		
(grain/6yds.)	450		
(mm/min)	200		
(m/min)	100	200	300
(kg/hr.)	31.9	63.8	95.7

3.1.

3.1.1.

TRUTZSCHLER () DK903 .

3.1.2.

. < 1> .

3.1.3.

(,) < 2> .

(針數) 960 , 340 .

3.1.4.

470rpm , 100, 150,

200m/min 3 < 3>
450grain/6yds

3.1.5.

,
가 < 4>
.
가
30:70, 50:50, 70:30 3
.
< 4>

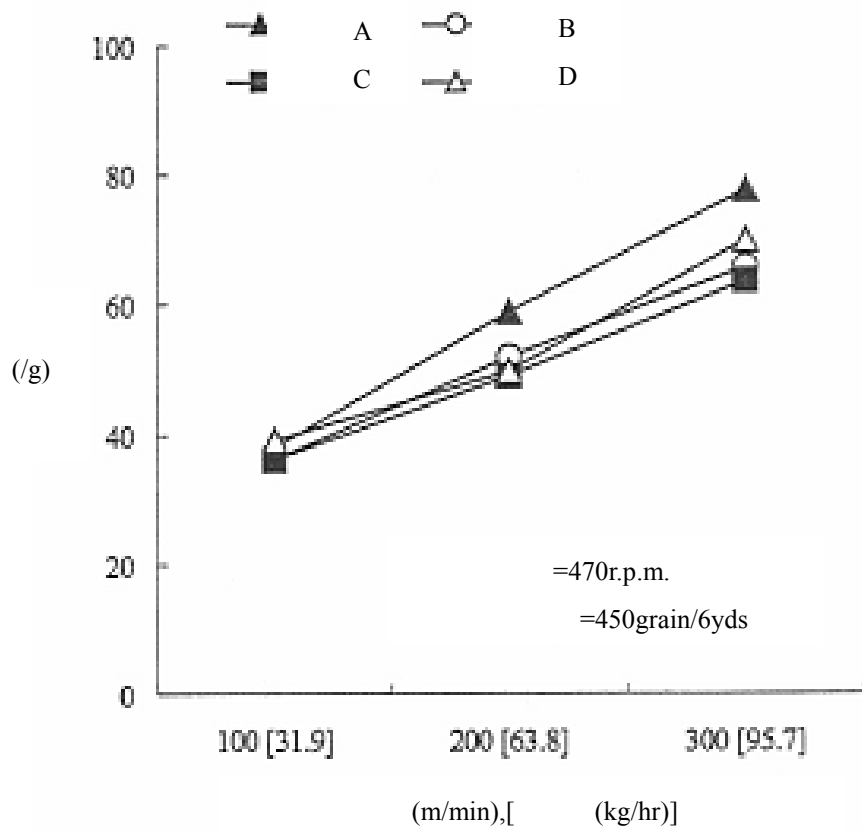
3.2.

Zellweger Uster AFIS-N+LM(Advanced Fiber Information Systems)

, ,
.

3.2.1.

< 9> 1g
가 , 가 가
A , 가 가 3
,



< 9>

3.2.2.

< 10>

가 가
 , 2

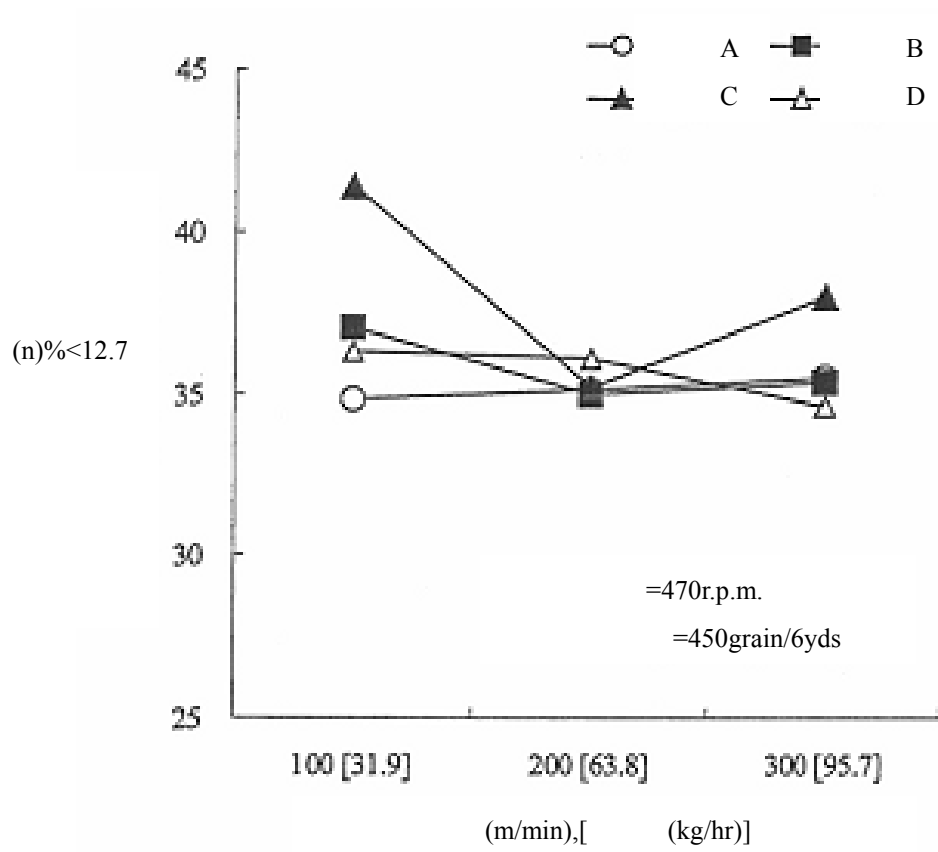
3.2.3.

< 11>

1g
 가 가 가
 A D , B C

A가

가



< 10>

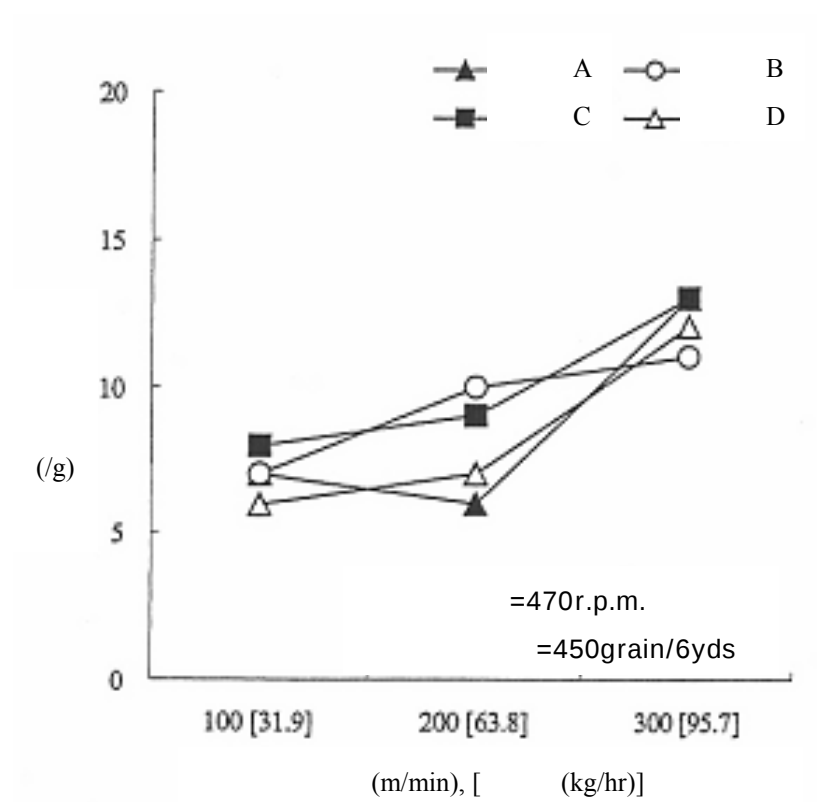
3.2.4.

< 12>

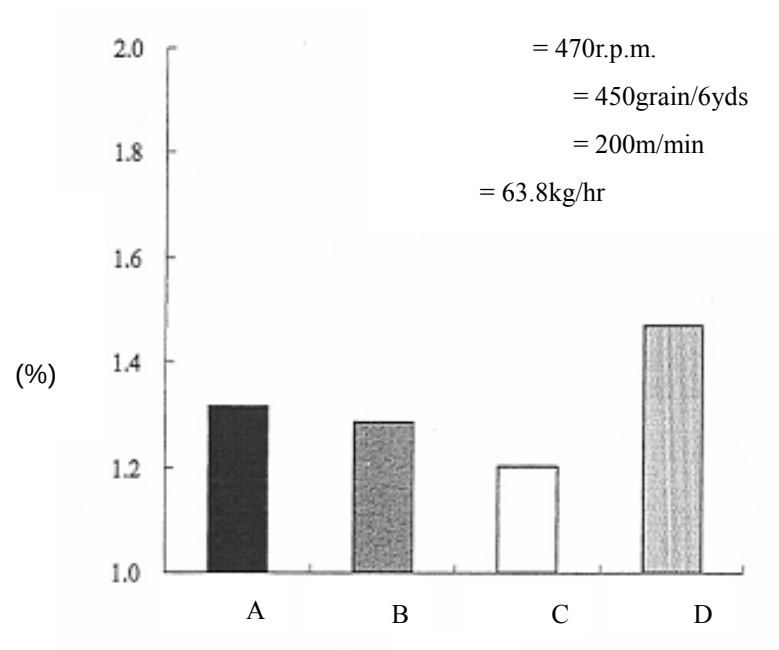
D A, B, C

가

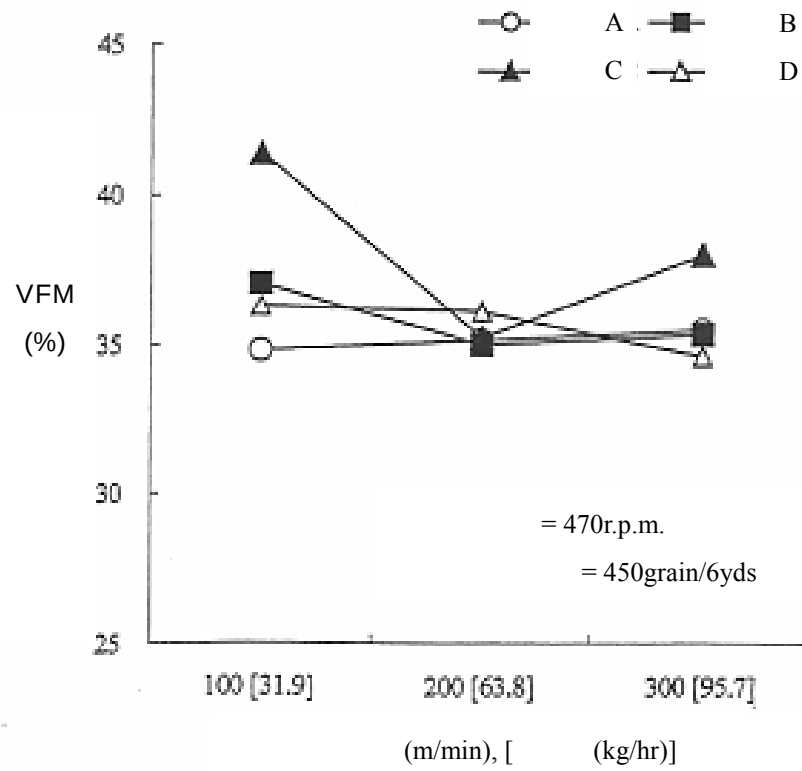
가



< 11>



< 12>



< 13> VFM

3.2.5. VFM(Visual Foreign Matter)

< 13> VFM(Visual Foreign Matter)

가

가 C 가 ,

3.2.6.

< 14>

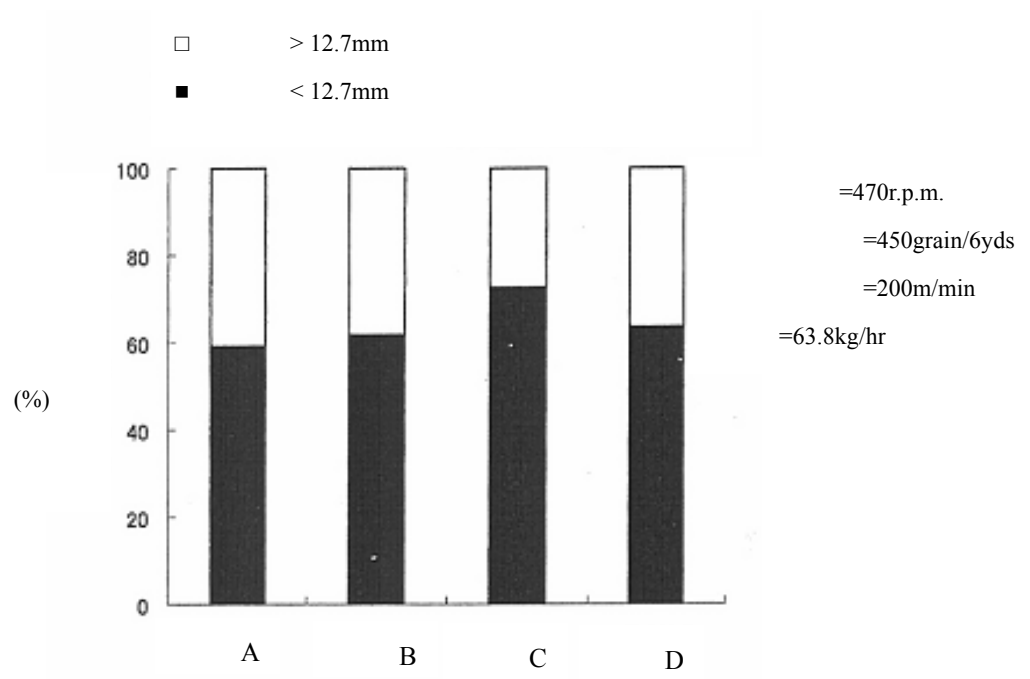
12.7mm

C가 가

, 12.7mm

A가

가



< 14>

4.

2

가

2

1

2

가 70/30

C

가 가

가

,

.