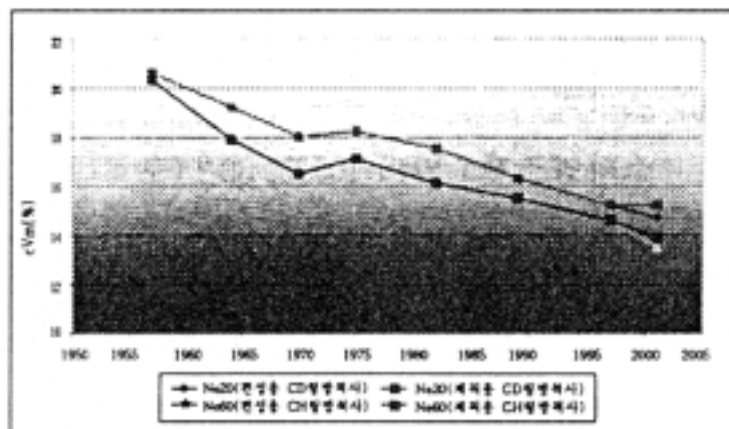


1.

(compact yarn) 가 .

< 1> Ne20(Nm34) Ne60(Nm100)
1957 2001
50% , 50%
50%



< 1> (1957 2001)

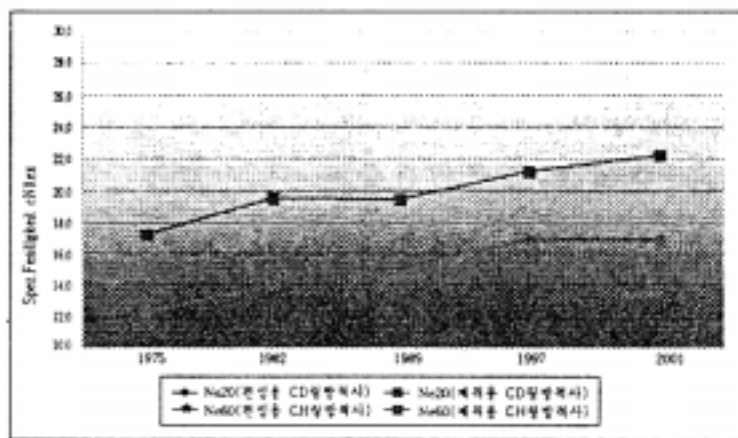
< 2> 1975 2001

가 , , 26 5 cN/tex

가 , 50% 25 cN/tex

가 ,

.



< 2> (1957 2001)

2.

(roving)

가 .

가 .

가 .

. < 3>

,

,

가 ,

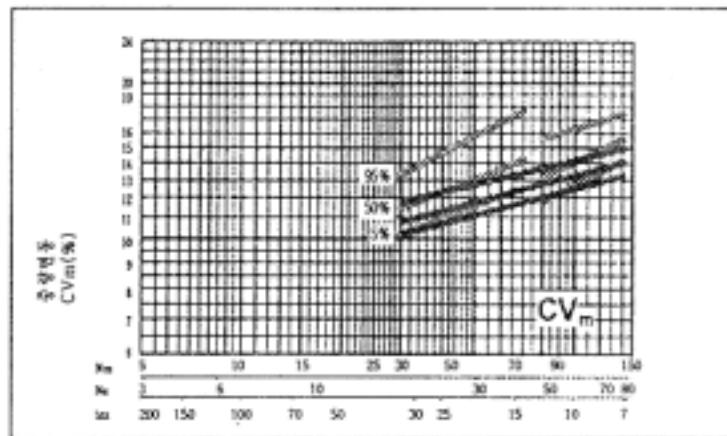
.

. < 3>

5% , 95%

,

.



< 3> 2001 (100% , , &)

CV_d

(4). 50%

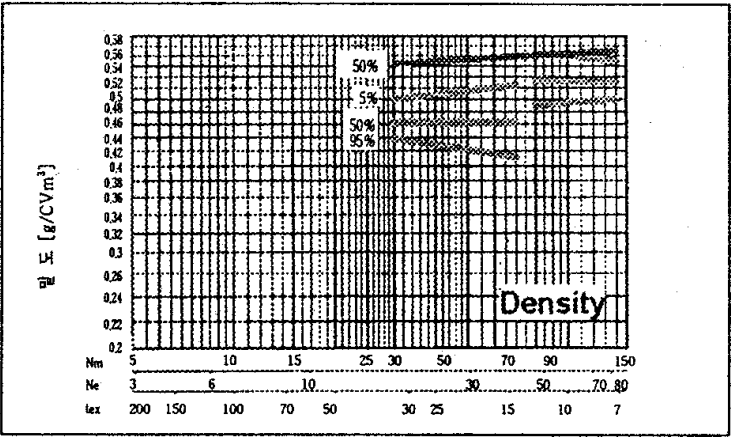
5% . Ne15 Ne40

Ne50 ,

.

Ne50 ,

.

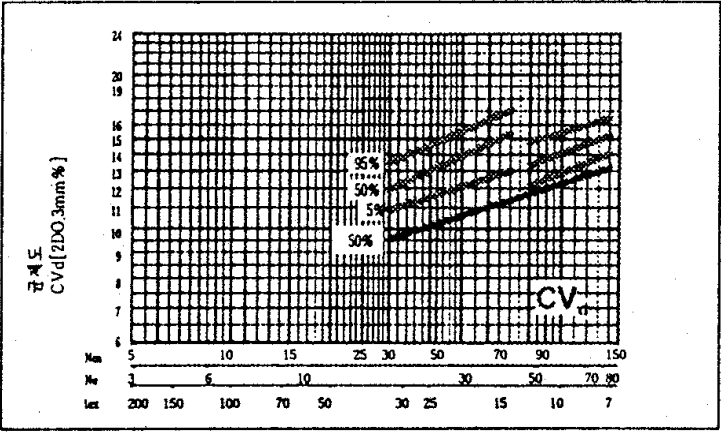


< 4> 2001 (100% , , &)

(5).

50% 5% ,

가

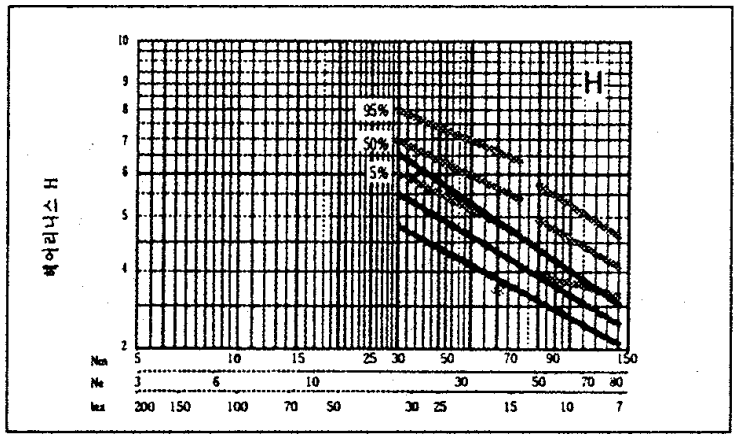


< 5> 2001 (100% , , &)

가 ,

(6). , Ne30

50% 5 ,
 50% 3.5 . 95%
 , 5% 가 . Ne 50
 .



< 6> 2001 (100% , , &)

10 . Ne50
 90 가 .
 ,
 CV_m 가
 .
 .
 ,
 .
 , (1).

0.159mm .

,

.

 $(1$

가 .

 $1\rangle$

CV _m (%)	12.29	12.82
가 - 50%(/km)	1	3
+ 50%(/km)	13	24
+ 200%(/km)	23	30
	4.38	2.72
2D → (mm)	0.159	0.146
CV2D 8mm(%)	9.47	8.94
CV2D 0.3mm(%)	13.01	11.37
(shape)	0.84	0.84
(g/cm ³)	0.59	0.71

,

가

•

•

8>

,

< 9>

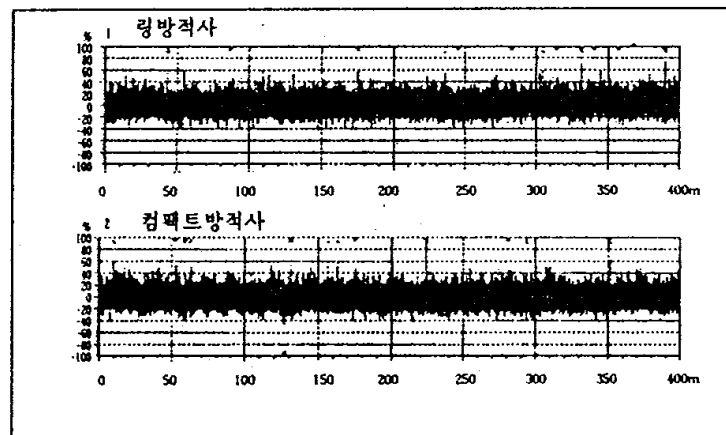
50%

H < 1>

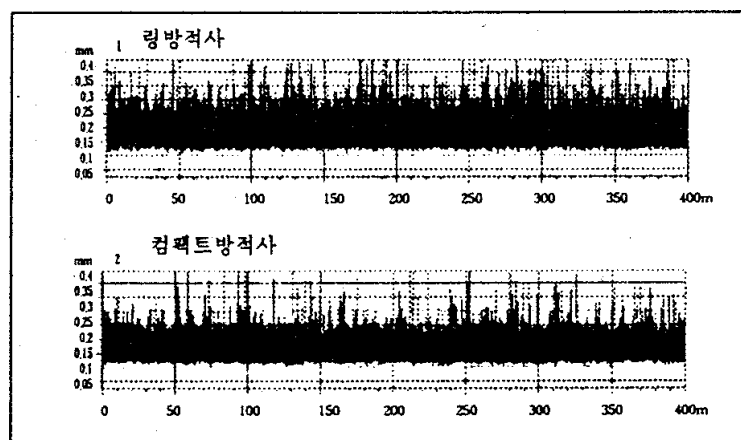
가 4.18

2.72

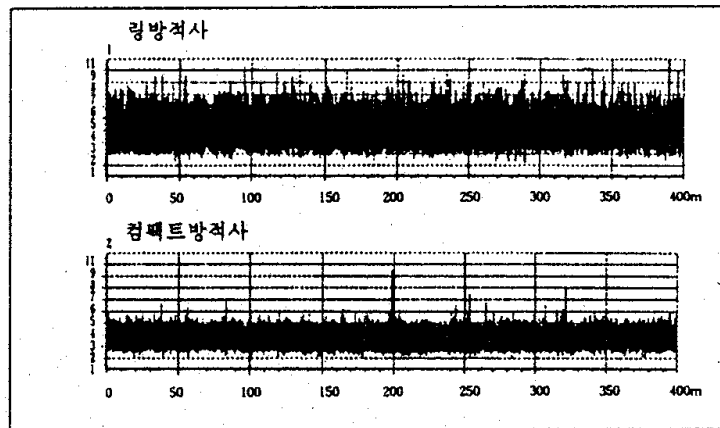
38%



< 7>



< 8>



< 9 >

3.

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가

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(Uster statistics for compact yarns: Melliand English, 1-2/2003)