

()

1.

가

, 가 .

가

가

가

가

가

HVI 3500

HVI 4000

HVI

P710,

AL101

P810

texLAB

2.

가

(comb sorting)

< 1>

texLAB



< 1> texLAB

가

○

< 2>

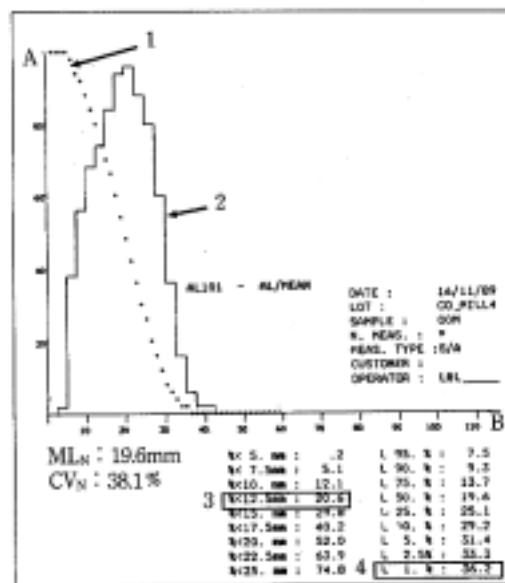
○

< 3>

가

. <

4>



< 2>

texLAB

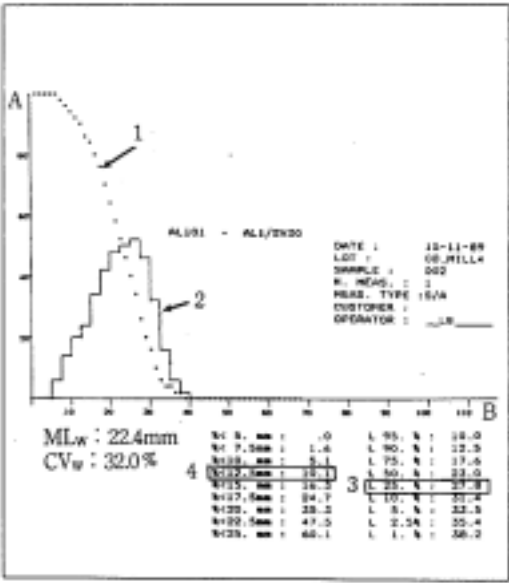
A : (%) B : (mm)

1 :

2 : 3. : 12.5mm 가 20.6%

4 : 1% 가 36.2mm .

. < 5> < 6>



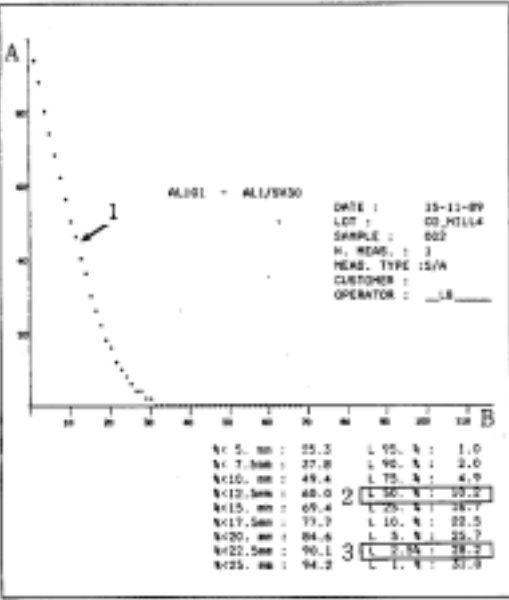
< 3> texLAB

A : (%) B : (mm)

1 : 2 :

3. : UQL

4 : .

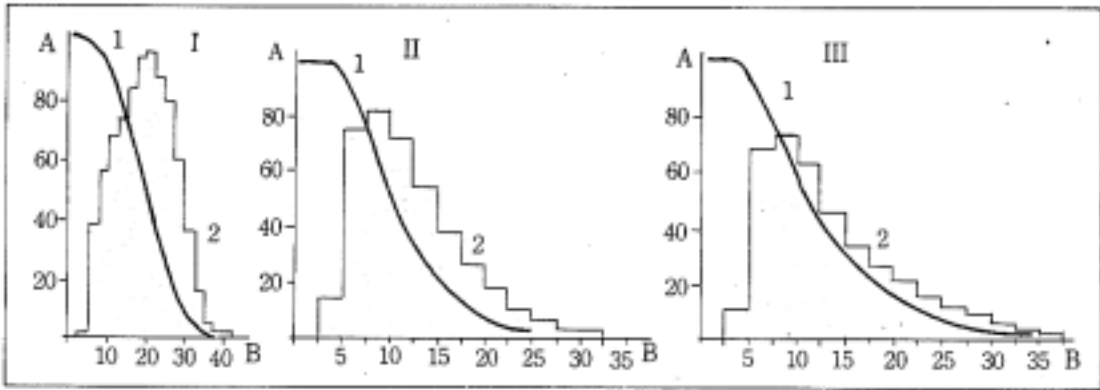


< 4> () texLAB

A : (%) B : (mm)

1 : 2 : 50%

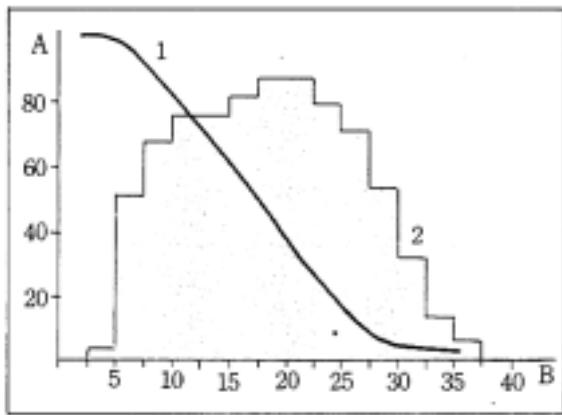
3. : ASTM



< 5> < 6>

가 texLAB

A : (%) B : (mm) : 1 : 2 : 3
1 : 2 :



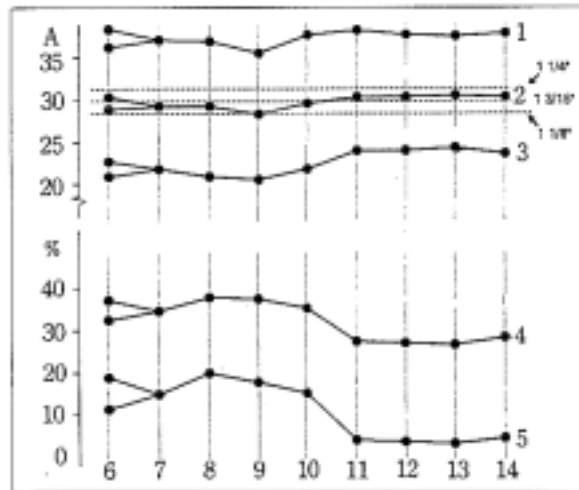
< 6> < 5>

가 texLAB Mean/Blend

A : B : (mm) 1 : 2 :

< 6>

.< 7>



< 7>

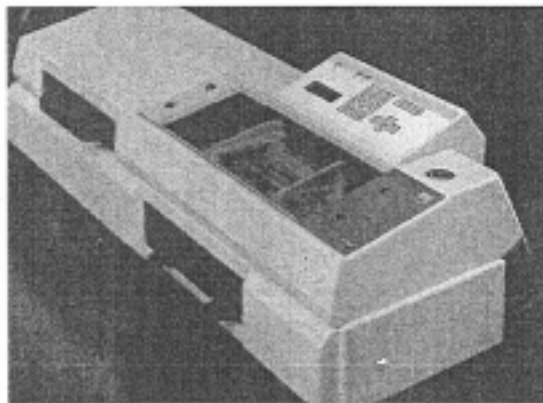
A : (mm) 1 : 1%가
 2. UQL
 3. MLN() 4. CVN() 5. SFN()
 6. 7. 8.
 9. 10:
 11 : 12 : 1
 13 : , 2
 14.

가

가.

< 8> (P710) , < 9>

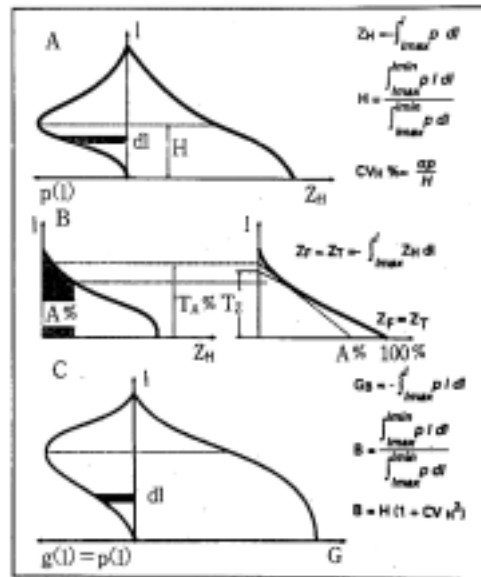
(AL101) .
가 ,
(wedge) ,
가 ,
. , 가
< 10> .



< 8> (P 710)



< 9> (AL101)



< 10>

*

A :

$Z_H =$

B :

$H =$

C :

$P =$ I :

$CV_H \% =$

$\sigma_p =$

$Z_F =$

$Z_T =$

$B =$

(staple index curve)

가

가 5mm
가 1/2in
AL101

1%, 2.5% 5%

25%

가 가 Texlab

3. HVI : ,
가.

가 ,

가

가

가

가

5

HVI

HVI

1/4

200

. Motion control

HVI

(USDA)

. 1969

HVI

가

, 가

HVI

가 가 HVI

. HVI

가

HVI 3500

HVI 4000

가

HVI 3500

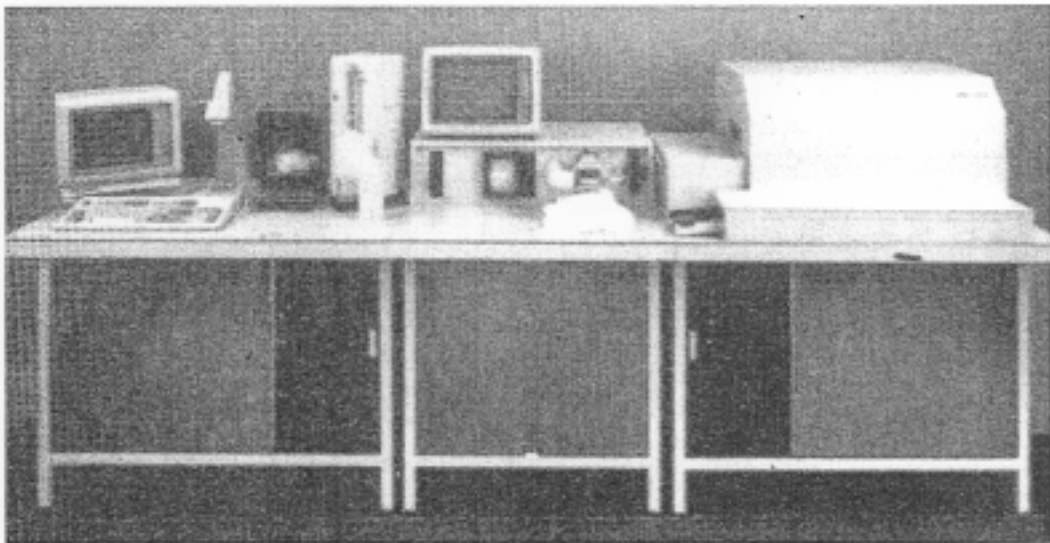
가 3

. HVI 4000

가 1 ,

2 가 1

가 . < 11>



< 11> HVI 4000

MCI HVI 가

,

○

○ Nickerson/Hunter

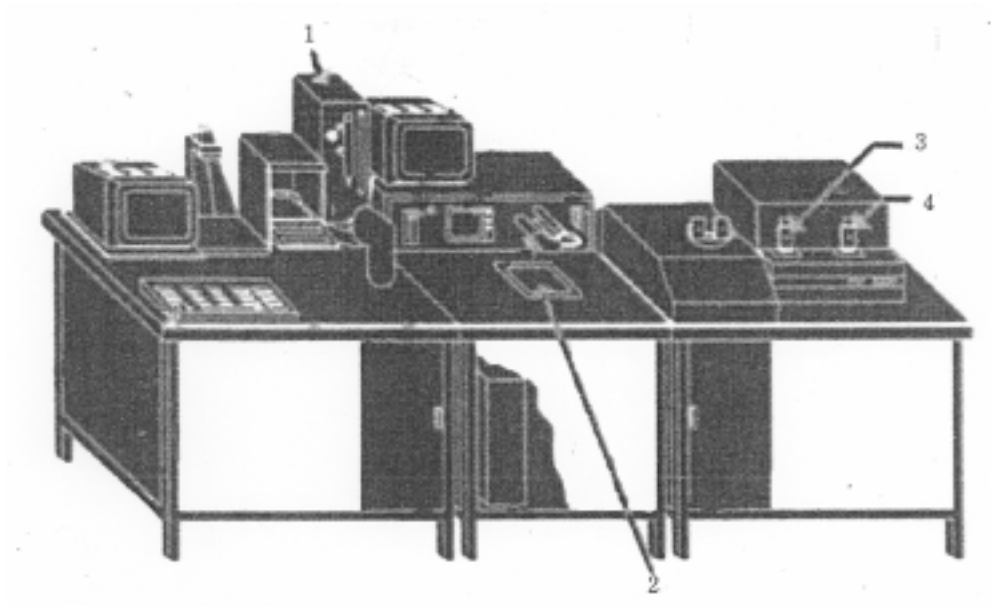
○

○

○

○

○ — 1/8in < 12>



< 13> HVI 3500

1 :

2 : /

3 : /

4 : /