

(STARFISH)

- (Fabric Production) (2) -

3. (Stitch Length) - (Measurement)

(stitch length)가
(check) .
(course length)
(monitor) 가 가 .
가 (hand-operated meter)
, (slippage) (angle)
(wheel) .
(meter) . (meter)
9 가 10) “
(needle) $\times 10$ " .
가 (speed of reaction)
(concentration) .
(operator error)
(pulse0 .
(pick up probe ;)
. (measuring head , 30
30 (pick up probe)
가 . (course length meter)

(reproducible result)

가 가

IIC

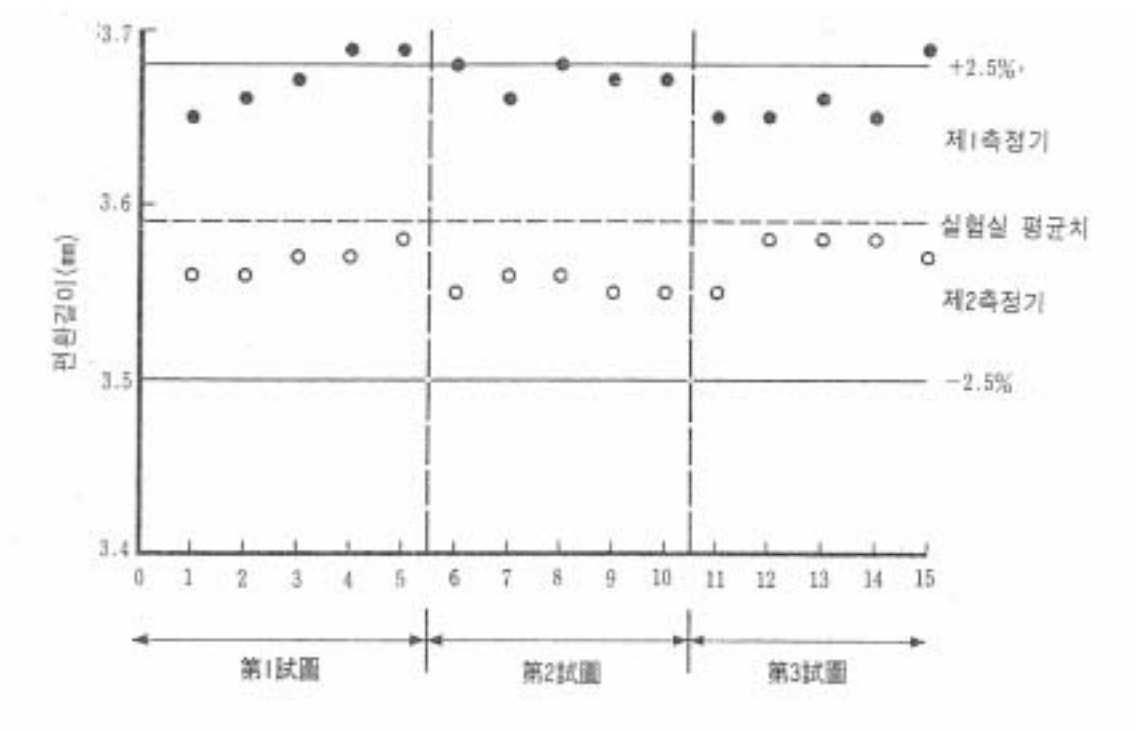
(type)가

(model)

(reading)

가 < 12>

24



(stitch length)

(calibration)

< 12>

가 24

5 (feeder)

9 (Test Method)

(true stitch length)

(laboratory)

1 가 2

28 18

< 12> (3%)

가 (finished fabric) /cm 가

가 (finished course) (wale density)

가

“Welmstar”

가 (variability)

$\pm 1.5\%$

(store group) $\pm 2.5\%$

4. (Yarn Tension)

(trip tape feed wheel)
(knitting feeder) .
, 100% (plain jersey), (rib) (interlock)
3~5g . 가 3g
.
가 .
가 (meter) (pulley) (path)
(deviation)가 .

5. (Needle)

(dimension) (performance)
.
가 .

$$(\text{open width}) (\text{cm}) = \frac{(\text{number of needle})}{(\text{wale}) / \text{cm}}$$

(gauge) (diameter)
가 . (gauge) (inch)
(20G = 20 /inch)

(engineering mechanism),
 (patterning mechanism), (auxiliary)
 .
 .
 (brochure)

가 가 .
 (gauge) (diameter) 가 가 가
 .
 (model)
 가 가 .
 < 13> 가 . 가 (fabric
 width)
 가

< 13>	(identical gauge)	
30 " 20	(Needles)	(Difference)%
(Theoretical)	1886	0
Camber Cheminit	1872	-07
Flonit H3F	1944	+3.1
Monarch XL-3S	1860	-4.1
26 " 28Gauge		
(Theoretical)	2304	0

가 가

가 가

가 .

6. (Take-Down Tension)

?

IIC

.

(greige fabric)

가 . (scouring)

(winch) 30

.

가

.

[(Reference state)

] , 가

. < 14>

.

(loop) (knock-over)

.

가 가 가 .

가

(knitting head) (take-

down roller) (boarding width)

.			
.			
< 14>			
/3cm			
30			
0.302cm	62.1	50.8	58.8
	54.9	50.8	58.8
0.370cm	38.0	35.0	45.9
	35.0	35.0	45.9
: 24	, Ne 24		
가	가		
.			
가			
가 가			
.			
7.	(Fabric Performance)	(Tolerance)	
.			
가			
.			
(STARFISH)			

(example) (nominal yarn count) Ne 38 ± 2.5%
 (nominal stitch length) 3.38mm ± 2.5% 20G
 가 (finisher)가 (winch dyeing)
 40 /3cm 38 /3cm 가
 가
 가

	(Reference State)	(Delivered)
/3cm	44.4~46.8	40
/3cm	42.9~44.4	38

, %	9.9~14.5%
, %	11.4~14.4%

(± 2.5%)
 (± 5%)

(commercial limit) 가

(greige fabric)

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