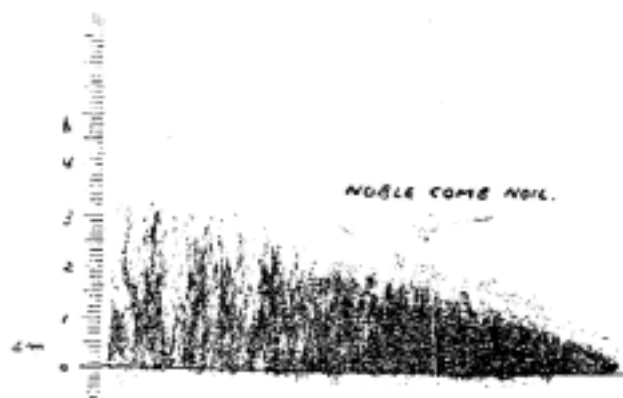


1.

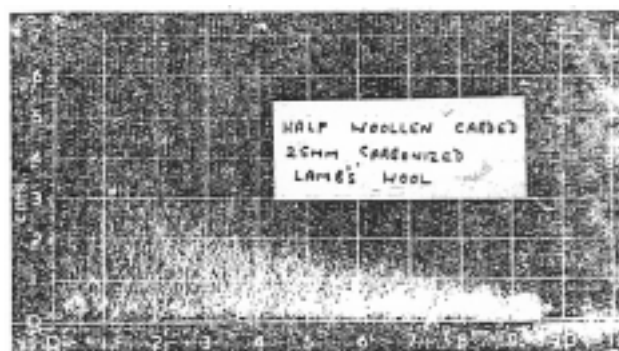
CSIRO
40mm (non-square)
.
(noil) 가 (carbonized lambs
wools : 25mm 25-28mm)
.
가
.
가

2.

< 1> < 2> 가
.
.
.
.
.
.
.
가 . 가
38mm 2.5den .
◦ : S. M. 29mm . 가



< 1>



< 2> (半)

3.

- : 0.6% 0.5~0.8%
- o.w.f. 가 施油 . 가
- : 0.5% o.w.f. 가 가
- 가 가 가 .

4.

가

(wool-rich blend yarn)

(opening) - (lap-fed card) - 回(3)

(drawing) - (1speed frame) - (ring spinning frame) .

가 가 (combing)

60~65% R. H 70 가 가

55.60% RH

混打綿(blow room) : 가 (bulky)

) 가

除塵

(noil) .

가

(lap) 가 .

가 . 20%

38mm 2.5den 가 (lap)

20% .

梳綿(cardin) : (Hollingsworth)

15kg/hr .

(licker-in)

(licker-in)

(web) (doffer)

(coiler) 5~6% .

8~15%

.

練條(darwing) : (Rieter) D 0/1

200m/min 4-K tex . 8

8 .

가 . 練加

.

精梳綿(combing) :

가

.

(Rieter)E7/2

140nips/min

(noil) 14~16%

< 1>

< > 70/30 /

羊毛의 種類	코우딩까지의 중손실량(%)
25mm炭化섬유	36
25~38mm 炭化섬유	28
노 일	24

(roving) : (Rieter) F / (speed frame)

600tex . 9.5~11.0(1.0~1.2)

1,200rpm .

가 .

如何 同題點

(spinning) : 200 90mm , G 0/1

8,000~10,000rpm .

(recessed roller) .

(twist-factor) 38-44

.(*TF = TPcm $\sqrt{\text{Tex}}$). ,

< > < >

< > Physical Properties of Some Yarns Produced Using Very Short Wools

Wool	Wool/Polyester*		Total Wastes (%)	Tex	Twist Factor	Single End Strength		Uster	
	Nominal	Actual				Tenacity (mN/tex)	C.V. (%)	Ext. (%)	Regul. C.V. (%)
Carbonized Lambswool (25mm)	70/30	60/40	36	22	43	103	12.0	13.0	20.0
				44/2	43	125	9.5	17.0	14.0
Carbonized Lambswool (25-38mm)	77/23	73/27	19.5	26	43	78	—	13.7	19.4
				53/2	43	104	—	16.6	—
	60/40	50/50	19.5	21	40	121	14.2	13.5	21.3
		45/55	28.0	20	40	133	12.9	13.8	19.6
	60/40	57/43	Carded	31	40	113	—	13.8	23.6
Comber Noil	70/30	65/35	24.0	20	40	108.0	13.0	12.0	19.4
	60/40	54/46	22.0	21	40	125.0	12.5	14.4	17.5

*The polyester used throughout was a medium-tenacity, 38mm, 2.5denier.

< >

Wool/polyester Ratio*		Tex	Single End Tenacity (mN/tex)	Strength		Uster Regul. C. V. (%)
Nominal	Actual			C. V. (%)	Ext. (%)	
90/10	83/17	35	53	-	11.7	18.8
80/20	72/28	35	82	10.0	14.0	17.0
70/30	61/39	35	113	9.6	15.0	15.8
60/40	53/47	35	146	12.6	16.3	15.4
50/50	41/59	35	170	9.6	16.5	14.4

* Wool was 25-mm half-carded carbonized lambs and the polyester a 33mn, 2.5denier

, ,

(wool-rich blend yarn)

1,000

20

가 .

4. /

/ (55 : 45) .

25~38mm .

0.5% owf (Cirrasol ALN-TS)

, , , . <

> .

< > /

Blowroom Wastes : 1.0%		Blend Composition of Yarn : 53% wool			
Carding Wastes : 3.0%		Blend Composition of Noil : 56% wool			
Combing Wastes : 14.4%					
Yarn Tex	Twist Factor	Single End Strength		Ext.(%)	Uster Regularity C.V.(%)
		Tenacity (mN/tex)	C.V.(%)		
20	38	90	12.8	5.4	18.9
40/2	38	101	6.6	5.5	12.6
37	33	70	—	—	15.1

*Wool was a 25-38 mm half carded carbonized lambs wool

. R40/2tex

22ends/cm(56tpi) 17 picks/cm(44ppi) , 20tex 10% PVA

가 2/2 (30 ends/cm, 29picks/cm) .

. 20tex 18gauge 22gauge

5.

가

.

(a) (noil)

()

(dry-combed noble noil)

.

(noble-combed

noil)

不適當

() 100%

가

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)

()

.

(b)

()

.

()

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