

가

- . (24) -

2. 가

2.11 / [Bayer()]

2.11.1

/ ,

.

,

,

,

(tone in tone dyeing)

.

,

2

1

. , navy, blue, red

1

.

(homopolymer)

,

(copolymer)

.

.

98~120

.

가

가

.

,

.

Resolin

가 , pH

.

2.11.2

1)

/ 100% 가

.

1.0~1.5g/l Diadavin EWN

pH 8~9 ()

50 × 20 — — .

2)

.

가 .

.

Diadavin EWN 가

가 .

.

· Open soaper, Jet washer

1.5~3.0% Diadavin EWN

30~45 × 30~45

Diadavin EWN

(1:1~1:5) . , 40~80g/l Diadavin EWN

10~12 .

· open soaper

2.0~3.0g/l Diadavin EWN

40~45

jet washer

(蒸絨機)

(crabbing) .

가 .

3)

가 가 .

, open soaper 가

.

.

· open soaper

2.0~3.0g/l Diadavin EWN

40~45

· Wince

2.0~3.0g/l Diadavin EWN

40 × 20~30

4)

.

175~195 , /m² 15~30

.

.

2.11.3

1)

Avolan IS

가 .

,

. Avolan IS pH 5~6
 , Isolan K 1:2 ()
) 가 1:15~20 2%
 Avolan IS(o.w.f) .

2)

가 pH 4.5~5 .
 .(1%, 60%) pH
 가 . PH 4.5 ,
 2cc/l 60%
 2g/l

3) (Carrier)

.
 .
 . (covering)
 .
 .
 .
 .
 .

4)

가 .

(1)

Levegal HTC

100% /

. , , .

가

.

.

· : 1.3%(o.w.f), 1:15~20

Levegal HTN

가 / ,

가 .

· : 0.5g/l

(2)

Avolan UL 75()

1:2 (Isolan K, Isolan S) Avolan UL

75 .(1:15~20)

· : ; 0.5~1%

~ ; 0.5~0.3%

Avolan IS .

가 1% Avolan IS 가 .

Avolan IW()

1:2 (Isolan K) / (55/45%)

Avolan IW가 IW가 . 가

.(1:15~20)

· : ;0.3~0.5%

~ ;0.4~0.25%

55/45% .

가 .

가 70~80

가 .

2.11.4 1

/ (cheese) (rocket)

. 가 가
(conical tube)

.

(,)

.

.

가 .

.

(preshrinking) . 4%

.

.

(carrier) (conner rounding)

. 가 .

(biconical tube)가 . 가 ,

가 (spacer) 가

.

.

, 가 . (cop)

가 ,

1) Resolin/Supranol Isolan K . 1 1 ($T_{\max}$ 98~105)

가

60 ,

2 % Avolan IS

1~0.3 % Avolan UL 75

X % 60%(pH 4.5~5.5)

Y % g/l Levegal PTN, PEW DTE 01

가 ,

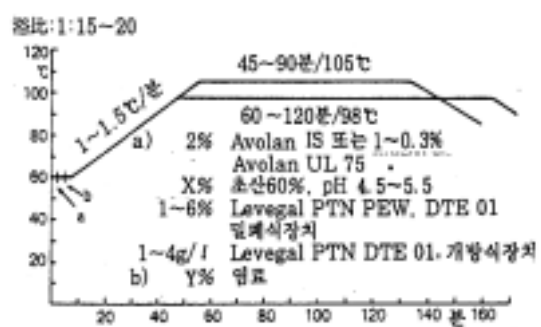
가 . ,

1~1.5 98~105 .

60~120 . 가

70~80 .(

11.1)



< 11.1> Resolin/Supranol Isolan K 1 1 ($T_{\max}$ 98~105)

2) Resolin/Supranol Isolan S , 1 1 ($T_{\max}$ 98~105)

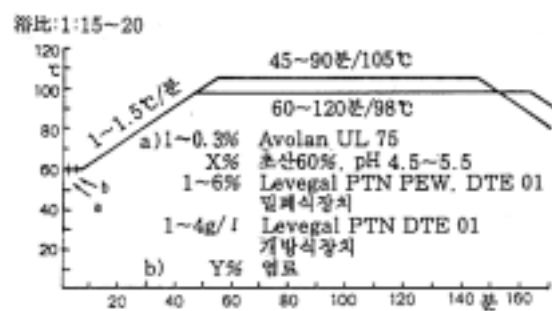
Isolan S (1:2)

1:2 (Isolan) 가 /

, ~ . Isolan S

Supranol Resolin 가 ,

가 < 11.2> .



< 11.2> Resolin/Supranol Isolan S 1 1 (T_{max} 98~105)

1~0.3 % Avolan UL 75

X % 60%(pH 4.5~5.5)

Y% g/l Levegal PTN, PEW DTE 01

3) Resolin/Diamond . 1 1

black dyeing 가 wool

. (black dyeing)

70~80 가 .

2 % Avolan IS

X % 60%(pH 4.5~5.5)

1~6% Levegal PTN, REW DTE 01

Resolin

black (, Diamond

Black PV) 가 .

, 1~1.5 / 98~105 . 60

1% 85% 가 .

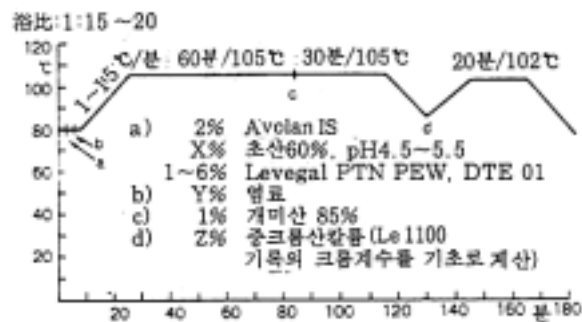
85 가 ,

. 98~102 20~40 .

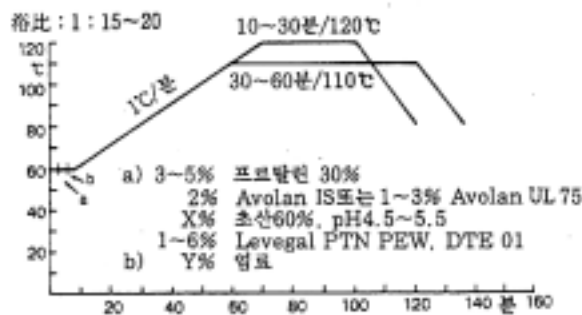
0.5~1% 85% 가

.

.(11.3)



< 11.3> Resolin/Diamond 1 1 (black dyeing)



< 11.4> Resoilin/ 1 1

4)

(1) (Resolin)

Resolin ,

染料名	適用溫度 ℃
Resolin Brilliant Yellow 10GN 400%	98
Resolin Brilliant Yellow 7GL 200%	98
Resolin Yellow 5GL 200%	98
Resolin Yellow Z-PWK	98
Resolin Golden Yellow Z-PWK	98
Resolin Orange 3GL 200%	105
Resolin Yellow Brown 3GL 200%	105
Resolin Red Z-PWK	98
Resolin Brilliant Red BLS 200%	105
Resolin Rubine BL 150%	105
Resolin Red Violet FBL 200%	105
Resolin Blue FBL 150% 01	98
Resolin Blue Z-PWK	98
Resolin Blue BLSN	105~110
Resolin Brilliant Blue BGLN 200%	105
Resolin Blue Z-GRLN 200% *	98
Resolin Navy Blue Z-PWK 250%	98
Resolin Navy Blue Z-GFWN 250% new	98
Resolin Black Z-TW 200%	105
Resolin Black Z-PWK 200%	98
Resolin Black Z-GFWN 250% new	98

(註) * :승화건뢰도는 한도가 있으므로 1% 이하로 사용

Resolin Yellow Z-PWK

Resolin Golden Yellow Z-PWK

Resolin Red Z-PWK

Resolin Blue Z-PWK

Reslin Brilliant Yellow 7GL 200%

Resolin Orange 3GL 200%

Resolin Yellow Brown 3GL 200%

Resolin Rubin BL 150%

Resolin Blue FBL 150% 01

Resolin Brilliant Yellow 7GL 200%

Resolin Brilliant Red BLS 200%

Resolin Blue FBL 150% 01

()
가 가 가 ,
가 가 .
(2)
/ Isolan K, Isolan S Diamond
.
Supranol .
Levafix () 가 ,
가
.
1% Avolan REN, 5%
X% 60%(pH 4.5~5) 가 80 30 .
(, Levegal PT) 가 98~105
가
.
Supranol Isolan S , ,
.

Supranol Yellow 4GL
Supranol Orange GSN
Supranol Red GW
Supranol Fast Red BB
Supranol Red 5BW
Supranol Navy R
Supranol Black VLG
Supranol Violet RWN
Supranol Blue RLW, BLW, GLW
Supranol Green BW

Isolan Yellow S-GL
Isolan Red S-RNL
Isolan Grey S-GL

Isolan Orange S-RL
Isolan Bordeaux S-BL
Isolan Brown S-RL
Isolan Green S-GLN
Isolan Black LDN

2.11.5 1

/

HT , .

가 40~50% 가
. 115~120
가 .

2.11.4 .

1)

(1)

,

가 .

Resolin Yellow Z-PWK

Resolin Yellow 5GL 200%

Resolin Golden Yellow Z-PWK

Resolin Red Z-PWK

Resolin Red FB(200%)

Resolin red GR

Resolin Blue Z-PWK

Resolin Blue Z-GRLN 200%

Resolin Brilliant Yellow 7GL 200%

Resolin Blue FBL 150% 01

<Resolin >

2g/l Avolan IS 40~50 (10~15)

Resolin . 80 가 .

가 .

染料名	適用溫度 ℃
Resolin Brilliant Yellow 10GN 400%	98
Resolin Brilliant Yellow 7GL 200%	98
Resolin Yellow 5GL 200%	98
Resolin Yellow 4GL 200%	98
Resolin Yellow Z-RLN 200%	98 ¹⁾
Resolin Yellow Z-PWK	98
Resolin Golden Yellow Z-PWK	98
Resolin Yellow Brown 3GL 200%	105
Resolin Red Z-PWK	98
Resolin Brilliant Red BLS 200%	105
Resolin Red FB 또는 200%	98
Resolin Red GR	105
Resolin Rubine BL 150%	105
Resolin Red Violet FBL 200%	105
Resolin Blue FR 02	98
Resolin Blue FBL 150% 01	98
Resolin Blue Z-PWK	98
Resolin Blue BBLSN	120 ²⁾
Resolin Blue Z-GRLN 200%	98
Resolin Navy Blue Z-GFWN 250% new	98
Resolin Black Z-TW 200%	105
Resolin Black Z-GFWN 250% new	98

(註): 1) 2%까지 한함

2) 특수염색법에 적용

(2)

< >

(Supranol, Isolan, Isolan K, Isolan S Diamond)

(paste)

가
(sieve) 가 . Isolan K

(K) .

2.11.6

,

가 .

· 1

1.0~2.0g/l Taspon WOK

70 × 20

· 2()

1.0~2.0g/l Taspon WOK

X ml/l pH 8~8.5

50 × 20

· 3()

black dyeing

X ml/l (pH 8~8.5)

2.0 g/l conc.

2.0 g/l Blankit IN

0.5 g/l Taspon WOK

45 20

, . 2 3

·

2.11.7

·

3.0~6.0g/l Levegal PTN

2.0 % Avolan IS

X % 60% (pH 5)

105% 60~90

15~20

가

2.0~3.0g/l Levegal DTE 01

0.5 g/l Levegal HTN

2.0 % Avolan IS

X % 60%(pH 5)

105 60~70

4.0~6.0g/l Levegal PEW

2.0 % Avolan IS

X % 60% (pH 5)

Levegal PTN

60

가

가

1.0~2.0 % Avolan UL 75 Avolan IW

5.0~10.0% ()

X % 60%(pH 5)

98 × 45 , .

Levegal PTN, PEW, TDE 01 HTN 가 (g/l) 1:20

가 .

2.11.8 / (가)

,

V가 (V : 6~8), ~

Levegal HTN 가

. 1:20 0.5g/l

Levegal HTN Resolin/ .

.

1)

: 40~50

가 :

X % (pH 5~5.5)

0.5g/l Levegal HTN

2.0% Avolan *

* Isolan S 1.0~0.3% Avolan UL 75

Avolan IS .

:

0.5~1 / , (60~90)

.

: 98~105

: 30~90

Resolin

.(

가)

,

가

가 .