

(19)
(12)

(KR)
(B1)

(51) 。 Int. Cl. ⁶
C09B 29/085
D06P 3/26

(45)
(11)
(24)

2002 12 12
10 - 0352714
2002 09 02

(21)
(22)

10 - 1995 - 0002206
1995 02 03

(65)
(43)

1995 - 0032476
1995 12 20

(30)

94/32009
94/32012
94/208271

1994 02 04
1994 02 04
1994 08 10

(JP)
(JP)
(JP)

(73)

가 가 가

1 11 2

(72)

2 - 336

3 - 17 - 1 - 402

가 3 - 1 - 16 - 512

3 - 17 - 1 - 303

(74)

:

(54)

가 (microfiber), (touch and hand) 가

가 가 : 가

(1) 가 (visual depth of shade)

(2) 가 가

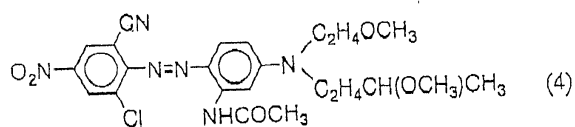
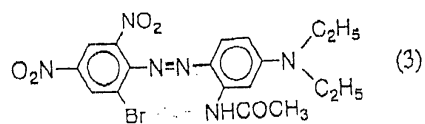
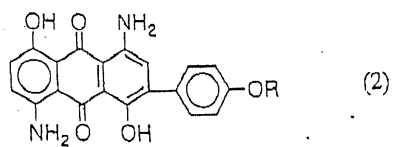
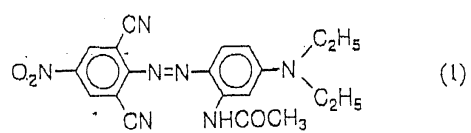
(3) (1) 가 가

(4) (fineness)

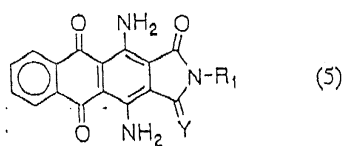
(building - up property) (一體 色調)

가

(2) (5) (1)



8/



R , - ;

Y ,

R₁ - , - - , -

" " " " 1 4

(level - dyeing properties)

가

가

가

가

가

가

(2), (3), (4) (5)

1

(1)

(1)

10

80

%,

(2)

0

80

%,

(3)

0

30

%,

(4)

0

50

%

(5)

0

20

%,

(2), (3)

(4)

3

80

%

(1)

25

75

%,

(2)

0

70

%,

(3)

0

20

%,

(4)

0

40

%

(5)

0

15

%,

(2), (3)

(4)

3

0

70

%

(1)

40

70

%,

(3)

5

20

%,

(4)

20

40

%

(5)

2

10

%,

(1)

20

45

%,

(2)

40

60

%,

(3)

5

20

%

(5)

2

10

%

(5)

(shading)

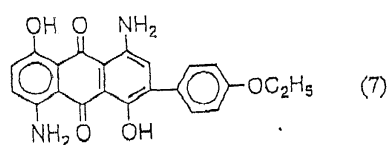
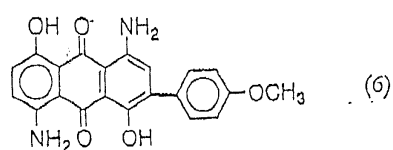
(turquoise)

(hue)

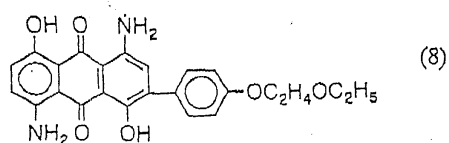
가

(2)

:

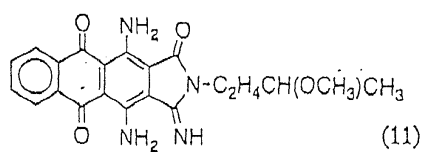
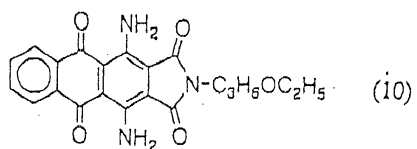
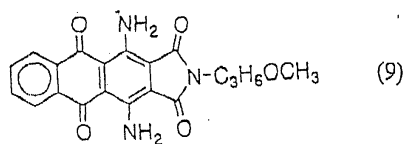


(8)

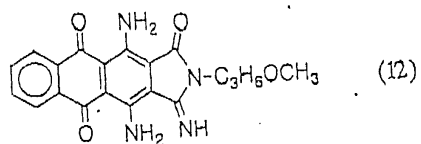


(5)

:



$\frac{1}{2}$



(1), (2), (3), (4) (5)

(1)

(3)

(5)

24707/1969 , (2)

1,652,584 ,

6952/1987 , (4)

49062/1982 ,

3384/1955 , 14992/1964

4872/1966

(1), (2), (3), (4) (5)

(

)

가

(1), (2), (3), (4) (5)

2 - - 6 -

(1), (2), (3), (4) (5) , 105 , 30
110 140 .
150 . , 0 -
150 230 30 1
(thermosol) 가
[, (guar gum)], 가 (,
, 가) (,
) ,
.

1 2
1 1 -

0.14d [" PET " PET] 가 . 1

PET PET 가

2

(가) .

표 1: 1-배쓰 염색에서의 보통 PET 및 PET 미섬유에 대한 일체 색조 효과의 비교
(note 1)

염료	색조의 시각적 심도 비 (비색적 값)(note 2)		시각적 판단에 의해 측정 되는 명확한 색조효과
	보통 PET	PET 미섬유	
실시예 1	100(기준)	78.0	우수함
실시예 2	100(기준)	72.3	우수함
실시예 3	100(기준)	75.7	우수함
실시예 4	100(기준)	76.9	우수함
실시예 5	100(기준)	74.6	우수함
실시예 6	100(기준)	80.2	우수함
실시예 7	100(기준)	76.1	우수함
실시예 8	100(기준)	77.5	우수함
실시예 9	100(기준)	77.3	우수함
사판염료 (note 3)	100(기준)	50.1	기준

(note 1) 1, 2, 3, 4, 5, 6, 7, 8 9 2 (3,0
00) 2.0d 50 0.14d
50 60 130 , 1

(note 2) PET PET COMSEKIII (가 가 가
) 100 가 가 가

(note 3) Disperse Blue 56

표 2 견뢰도 시험(note 4)

염료	빛 (note5)	승화성 (note6)	세탁성 (note7)
실시예 1	6 - 7	4	4 - 5
실시예 2	6 - 7	4	4 - 5
실시예 3	6 - 7	4	4 - 5
실시예 4	6 - 7	4	4
실시예 5	6 - 7	4	4
실시예 6	6 - 7	4	4 - 5
실시예 7	6 - 7	4	4
실시예 8	6 - 7	4	4
실시예 9	6 - 7	4	4
시판염료 (note 3)	6	3	3

(note 4) 1, 2, 3, 4, 5, 6, 7, 8 9 2 (3,000) 100 60 130 1 , , ,

(note 5) JIS L 0842 JIS

(note 6) 180 30 JIS 0879B JIS

(note 7) 180 30 (AATCC Test Method 6111 A) JI S

1

(1) 12.2 , (3) 1.8 , (4) 6.7 (9) 1.3
 Demol N(,) 78 ()
 pH 4.5 2 가 3,000
 100 60 130 . 10 80 45% 6 ,
 6 , Sunmorl RC - 700(,) 3 3,000

2

(1) 12.8 , (3) 1.9 , (4) 7.1 Demol N 78.2

1

1

3

(1) 14.2 (4) 7.8 Demol N78

1

1

4

(1) 9.0 , (3) 1.3 , (4) 3.5 1:1 (6) (7)

13 Demol N 73.2

1

1

5

(1) 10.5 (6) 15.1 Demol N 74.4

1

1

6 9

(1) (4) (9) 1 5 3

표 3

염 료	실시예 6	실시예 7	실시예 8	실시예 9
일반식(1)의 염료	14.0	9.0	10.6	10.6
일반식(6) 및 (7)의 염료를 포함하는 염료	-	13.0	6.5	6.5
일반식(3) 의 염료	6.0	-	2.7	2.7
일반식(4) 의 염료	-	3.5	3.4	3.4
일반식(9) 의 염료	-	-	-	1.3
총 합	20	25.5	23.2	24.5
Demol N	80	74.5	76.8	75.5

10

1, 2, 3, 4 5 2 (3,000)
 2.0d 50 0.14d 50
 60 130 ,
 2.0d 0.14 가 .

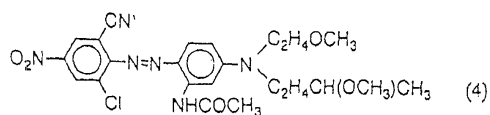
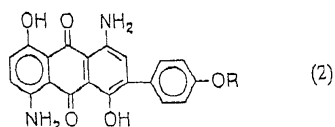
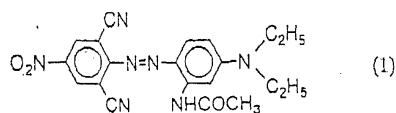
11

380 1 20 가 Fine Gum MC - 8(
 ; Dai - ichi Kogyo Seiyaku) 7.5%, Sorbitose C 5(: W.A. Scholten)
 0.3% 600
 . 7 175 , 10 80 2 ,
 2 , Meisanol BHS New(, Meisei Kagaku Kogyo K.K.) 1
 1,000 - ,

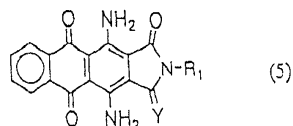
(57)

1.

(1) (2) (5) :



및



,
R , - :

Y ,

R₁ - , - - , - .

2.

1 (1) 40 73 %, (3) 5 20 %, (4) 20 40 % (5) 2 10 % .

3.

1 (1) 20 45 %, (2) 25 70 %, (3) 5 20 % (5) 5 10 % .

4.

1 , 2 3 .