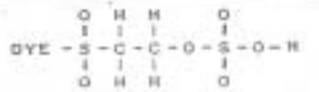
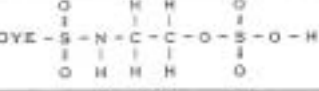
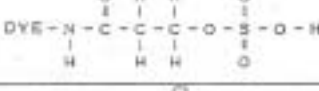
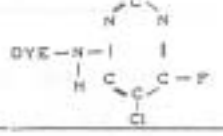
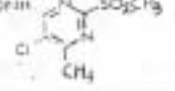
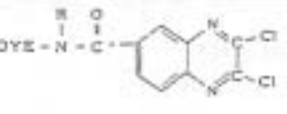
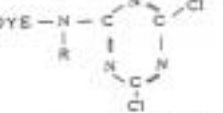
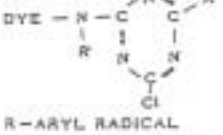


New rayon

(3)

2.3

2.3.1 Class of Monofunction Reactive Dyes

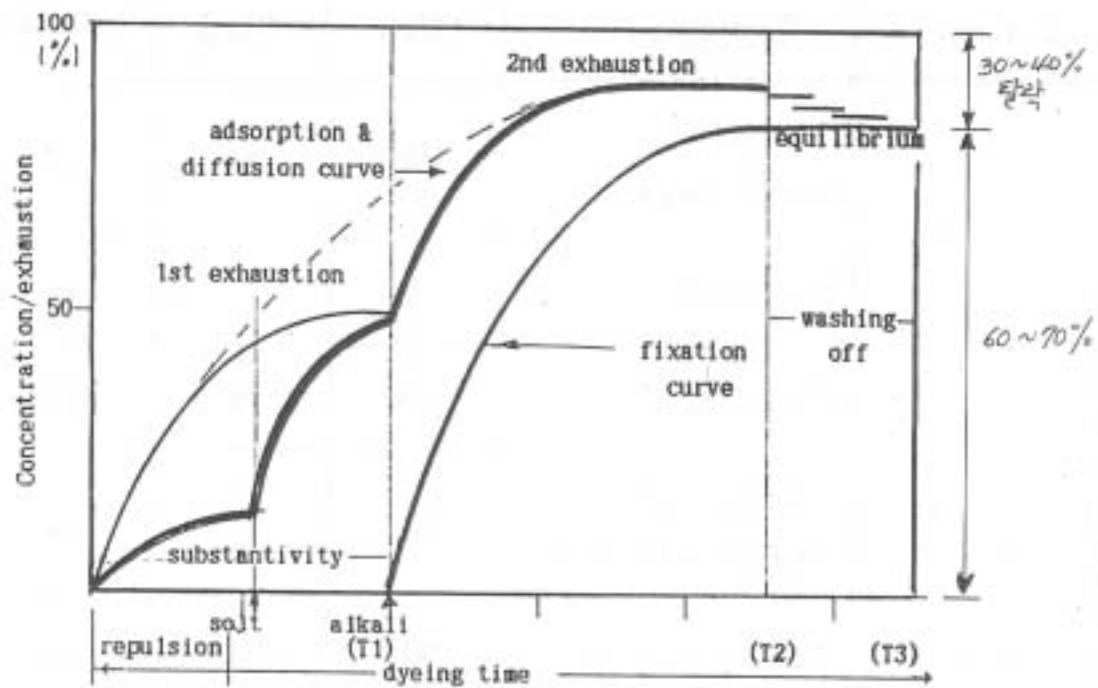
Class	Structure	Commercial Name (Maker)	특 징		
			반응성	착색성	고착성
Vinyl 유도체	Vinyl Sulfone type (VS)	 Resazoi (Hoechst) Sumifix (Sumitomo)	M	M - L	W
	Sulphoneamide type	 Levafix P (Bayer)	M - L	very L	H
	Acrylamido type	 Primaazin (BASF)	M	M - L	H
Pyri- midine 유도체	Trichloro Pyrimidine (TCP)	 Drimarene X, Z (Sandoz) Cibacron T (CGY)	very L	M - H	very H (b. p.)
	Difluorochloro Pyrimidine (DFCP)	 Levafix E-A, P-A (Bayer) Drimarene K, R (Sandoz)	M - H	M - H	W
		 Levafix P (Bayer)			
Quina- xaline 유도체	Dichloro Quinoxaline (DCQ)	 Levafix E (Bayer)	M - H	M	W
Tri- azine 유도체	Dichloro Triazine (DCT)	 Procion MX (Zeneca) Basilene M (BASF)	H	M	C
	Monochloro Triazine (MCT)	 Procion H, P (Zeneca) Cibacron A, P (CGY) Basilene E, P (BASF) Kayacron E, P (N. K.)	M - L	착색: M 나염: L	H
	Monofluoro Triazine (MFT)	 Cibacron F (CGY)	M	M - H	W

2.3.2 Class of Bifunctional Reactive Dyes

Class	Commercial			
VS+MCT	Apollofix SF	M	M	M-H
	Sumifix Supra			
	Cibacron H	L	M	H
	Cibacron HW	L-M	M	M-H
	Cibacron Red C2G Cibacron Red CR	M	M	M
VS+VS	Cibacron Navy CB	M	M	M
VS+MFT	Cibacron Yellow C5G	M	M	M
	Cibacron Yellow CR			
	Cibacron Orange CG			
	Cibacron Blue CR			
MCT+MCT	Procion H-EXL	L	H	H
	Procion H-E	L	M	H
MFT+MFT	Cibacron LS	L-M	H-M	H-W

2.4 ()

2.4.1 (Adsorption and Diffusion)



< 1 >

(1) Migration

S 17-96%

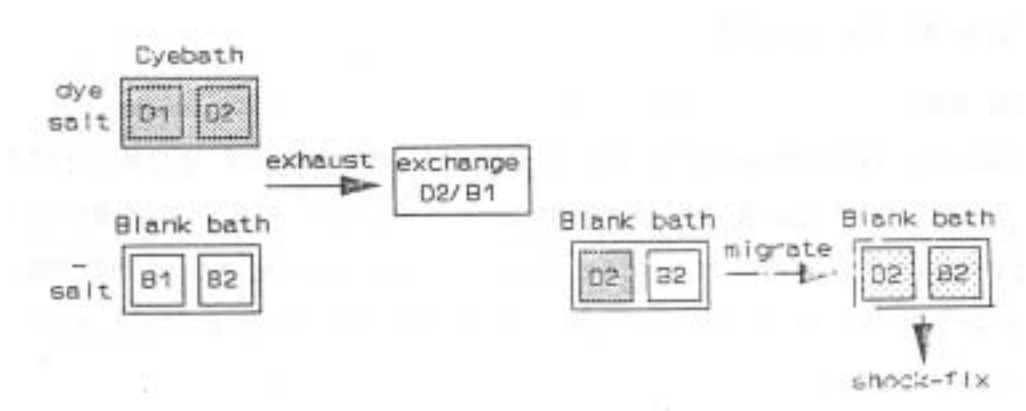
Migration 가 1

Migration (), , , ,

, , Yarn Dyeing Cheese

가 Migration ,

<Migration Test>



$$\text{Migration Index (M.I)} = \frac{B_2}{D_2} \times 100$$

<Migration >

C.I No.	S (%)	M.I (%)
Red 141	87	51
Red 55	82	87
Red H	74	100
Red 184	56	80
Red 195	30	90

80%

1

70%

70~80%

Cellulose

가

1

. 10g/ ℓ

가 가

10 g/ ℓ

가

.

(2)

1)

가

.

가 가

.

2)

Cellulose -OH(Hydroxyl) 가

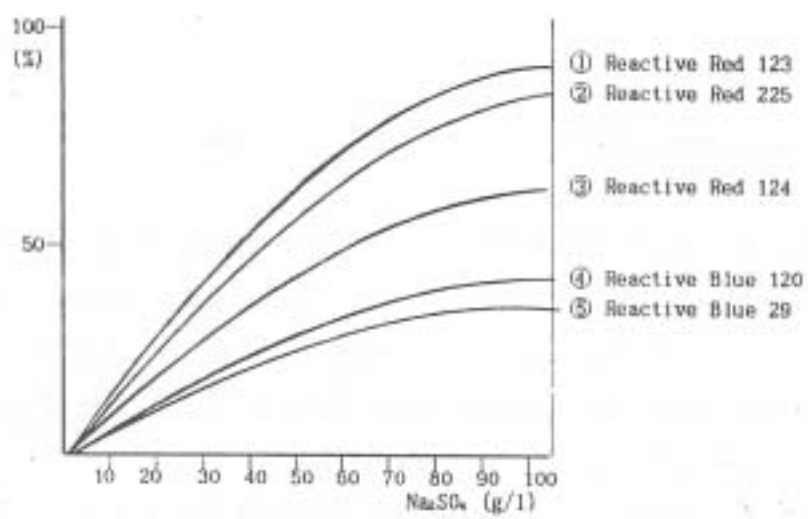
가

(Requulsion) .

가

.

가 . (2)



가

가

 $\langle 2 \rangle$

C.I No.		有	無
Reactive	Orange 30	34.5	5.5
	Orange 67	41.0	6.5
	Red 123	76.0	10.5
	Red 158	64.0	8.5
	Blue 114	20.0	4.5
	Blue 116	72.0	13.0
	Black 5	35.0	7.5

; 40

10%

80%

3) pH

pH

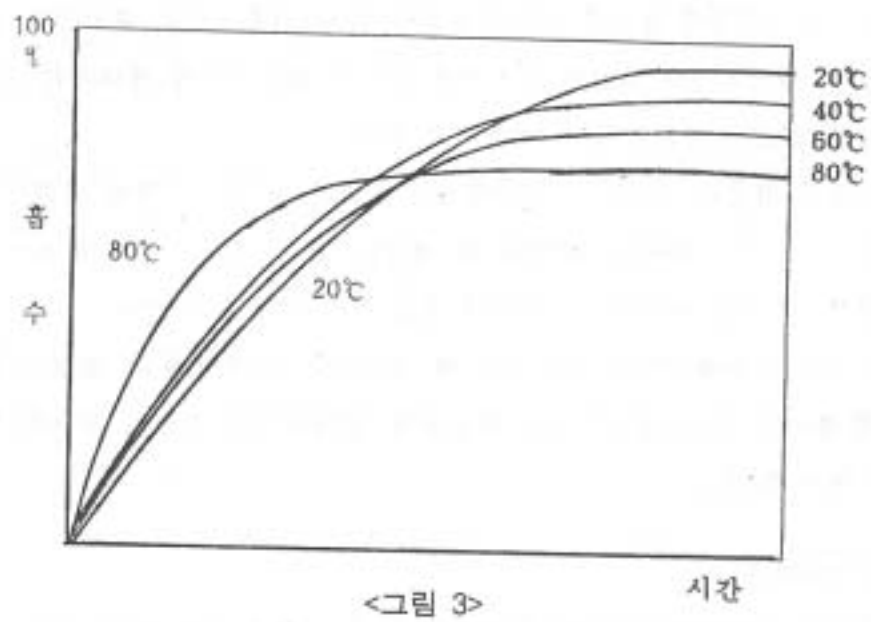
pH 6 ± 0.5

가

4)

가 가

가



5)

가 가
가

(3)

가

가 가 .

