



GOKUL
REACTIVE DYES



GOKUL EXIMP
REACTIVE 'VS' DYES

GENERAL PROPERTIES

FASTNESS PROPERTIES

	Solubility gms/l	Suitability						Dischargeability	Light		Washing				Hypo-chlorite		Perspiration		
		Temperature	Straight	Substantivity	Exhaust	Pad-Batch Silicate	Printing		Day	Light	I.S.O.3		I.S.O.4		Alkaline		Acidic		
											Effect	Stain	Effect	Stain	Effect	Stain	Effect	Stain	
																			1
0.4% Yellow 7GL * Yellow 57A																			
4.0%																			
30°C	80	M	S	S	S	G	5	6-7	4-5	4-5	4-5	4-5	2	-	4-5	4-5	4-5	4-5	
0.4% Yellow 4GL * Yellow 160A																			
4.0%																			
30°C	70	H	S	NS	S	G	5	6-7	4	4-5	4	4-5	1	-	4-5	4-5	4-5	4-5	
0.4% Yellow GL * Yellow 37																			
4.0%																			
30°C	80	M	S	S	S	G	5	6-7	4-5	5	3-4	4-5	1	5	5	5	4	5	
0.4% Yellow FG * Yellow 42																			
4.0%																			
30°C	100	L	LS	S	S	G	4	5	4-5	5	4	5	1	5	4	5	4	5	
0.4% Yellow GR * Yellow 15																			
4.0%																			
30°C	80	H	S	S	LS	G	4-5	6	4	5	3-4	4-5	1	5	5	5	5	4-5	
0.4% Golden Yellow G * Yellow 17																			
4.0%																			
30°C	100	H	S	LS	S	F	5	6	4-5	5	3-4	4	1	5	5	4-5	5	4-5	
0.4% Golden Yellow R *---																			
4.0%																			
30°C	100	H	S	S	S	G	4-5	5	4-5	4-5	4	4-5	1	5	5	4-5	5	4-5	

* C I Reactive



GOKUL EXIMP
REACTIVE 'VS' DYES

		GENERAL PROPERTIES						FASTNESS PROPERTIES												
		Solubility gms/l		Substantivity	Suitability			Dischargeability	Light		Washing		Hypo-chlorite		Perspiration					
		Temperature	Straight		Exhaust	Pad-Batch Silicate	Printing		Day Light		I.S.O.3		I.S.O.4		Alkaline		Acidic			
				1 6				1 1	Effect	Stain	Effect	Stain	Effect	Stain	Effect	Stain	Effect	Stain		
0.4%		30°C	100	H	S	S	S	G	4-5	5	4-5	4-5	4	4	1	5	4-5	4-5	4-5	4-5
Golden Yellow RNL * Orange 107	4.0%																			
0.4%		30°C	100	H	S	S	S	ND	4	6	4	4	4	4	4	-	4	4	4	4
Yellow 3RS * Yellow 176	4.0%																			
0.4%		30°C	80	H	S	LS	S	G	5-6	5-6	5	5	5	5	1	5	5	5	5	5
Orange 3R * Orange 16	4.0%																			
0.4%		30°C	100	L	LS	S	S	G	4	4	4-5	5	3-4	5	1	5	5	4-5	5	4-5
Red C2G * Red 106	4.0%																			
0.4%		30°C	100	L	LS	S	S	G	5-6	6	3-4	5	3-4	5	1	4	5	5	4	5
Red 5B * Red 35	4.0%																			
0.4%		30°C	100	H	S	S	S	ND	4-5	5	5	5	4-5	4-5	1	-	5	4	5	4-5
Red RB * Red 198	4.0%																			
0.4%		30°C	100	H	S	S	LS	ND	4	4-5	4-5	4-5	4-5	4-5	2	-	4-5	5	4-5	4-5
Red BRS * (-)	4.0%																			



GOKUL EXIMP
REACTIVE 'VS' DYES

		GENERAL PROPERTIES							FASTNESS PROPERTIES											
		Solubility gms/l		Substantivity	Suitability			Dischargeability	Light		Washing		Hypo-chlorite		Perspiration					
		Temperature	Straight		Exhaust	Pad-Batch Silicate	Printing		Day Light		I.S.O.3		I.S.O.4		Alkaline		Acidic			
				1 6				1 1	Effect	Stain	Effect	Stain	Effect	Stain	Effect	Stain	Effect	Stain		
0.4%		30°C	100	H	S	S	LS	ND	4	4-5	5	4-5	4-5	5	1	-	4-5	4	5	4-5
4.0%																				
0.4%		30°C	100	H	S	S	LS	ND	4-5	5-6	4	4-5	4	4-5	3	-	4-5	4	4-5	4
4.0%																				
0.4%		30°C	100	H	S	S	S	P	5-6	6-7	4	5	5	2-3	5	3-4	3-4	4-5	4-5	5
4.0%																				
0.4%		30°C	100	H	S	S	S	P	5	6	4-5	4-5	5	5	3-4	5	5	4-5	5	4-5
4.0%																				
0.4%		30°C	100	H	S	S	NS	P	6-7	7	3-4	2-3	3-4	4	2-3	5	4	4	4	4-5
4.0%																				
0.4%		30°C	60	H	S	S	S	F	5	6-7	4-5	4-5	4-5	4-5	4	4	4-5	4-5	3-4G	4-5
4.0%																				
0.4%		30°C	100	H	S	S	S	F	6	7	5	5	4-5	4-5	3-4	5	4-5	5	5	5
4.0%																				

* C I Reactive



GOKUL EXIMP
REACTIVE 'VS' DYES

		GENERAL PROPERTIES						FASTNESS PROPERTIES												
		Solubility gms/l		Substantivity	Suitability			Dischargeability	Light		Washing		Hypo-chlorite		Perspiration					
		Temperature	Straight		Exhaust	Pad-Batch Silicate	Printing		Day Light		I.S.O.3 Effect	I.S.O.4 Stain	Effect	Stain	Effect	Stain				
									1	1										
6	1	Effect	Stain	Effect	Stain	Effect	Stain	Effect	Stain	Effect	Stain									
Blue 3R * Blue 28	0.4% 4.0%	30°C	100	H	S	S	S	G	6-7	7	4	5	3-4	5	3-4	5	5	4-5	4	4-5
Dark Blue HR * Blue 89	0.4% 4.0%	30°C	80	H	S	S	NS	G	3-4	6	3-4	4	3-4	4	1	5	4	3-4	5	4
Navy Blue GG * Blue 203	0.4% 4.0%	30°C	100	H	S	S	S	G	5	5-6	4-5	4-5	4-5	4-5	1	5	4	4	4-5	4-5
Brown GR * Brown 18	0.4% 4.0%	30°C	100	H	S	S	S	G	5-6	6	4-5	5	3-4	5	1	5	4	5	4	5
Black B * Black 5	0.4% 4.0%	30°C	100	H	S	S	S	G	---	● 5	4-5	5	4	4-5	1	5	5	4	5	4
Black RL * Black 31	0.4% 4.0%	30°C	100	H	S	S	S	F	5-6	7	4-5	5	4-5	4	3-4	5	5	4	5	5
Deep Black N 150 *()	0.4% 4.0%	30°C	100	H	S	S	S	G	---	● 4-5	4-5	5	4	4-5	1	5	5	4	5	4



GOKUL EXIMP
REACTIVE 'M' DYES

		GENERAL PROPERTIES						FASTNESS PROPERTIES													
		Solubility parts/1000			Dyeing Properties		Fixation Temperature (Exhaust Dyeing)	Light			Washing		Bleaching		Soda Boil		Alkaline Perspiration				
		Temperature	Straight	30 pts/1000 common salt	Substantivity	Reactivity		Day Light			I.S.O.3		I.S.O.4		Hypochlorite	Hydrogen peroxide		Effect	Stain		
								1	1	2	Effect	Stain	Effect	Stain		Effect	Stain				
25	1	1	Effect	Stain	Effect	Stain	Effect	Stain	Effect	Stain	Effect	Stain	Effect	Stain							
0.4%		30°C	70	40	L	M	40°C	5-6	6-7	7	5	5	4-5	5	1	4-5	4	4-5	5	4-5	5
Yellow M8G * Yellow 86	4.0%																				
0.4%		30°C	40	20	M	M	40°C	5	6	6-7	5	5	4-5	5	1	3-4 R D	5	4-5	5	4-5	5
Brilliant Yellow M4G * Yellow 22	4.0%																				
0.4%		30°C	30	less than 5	H	M	40°C	5	6	6	5	5	5	5	4-5	4-5	5	5	4-5	5	4-5
Yellow MGR * Yellow 7	4.0%																				
0.4%		30°C	160	130	H	H	40°C	5	6	6	5	5	5	5	2-3	4-5 R	5	4-5 R	4-5	4-5 R	4
Golden Yellow MR * Yellow 44	4.0%																				
0.4%		30°C	80	40	M	M	40°C	4	5	5-6	5	5	4-5	5	1	3-4	5	5	4	4 R	4
Yellow M4R * Orange 14	4.0%																				
0.4%		30°C	160	120	H	H	40°C	5	6	6	5	5	5	5	2-3	3-4	5	5	4	4	4
Golden Yellow M3R * Orange 86	4.0%																				
0.4%		30°C	180	160	M	M	30°C	3	4	4-5	5	5	5	5	4 R	4 Br	5	4-5	5	4-5	4
Brilliant Orange M2R * Orange 4	4.0%																				

* C I Reactive



GOKUL EXIMP
REACTIVE 'M' DYES

		GENERAL PROPERTIES							FASTNESS PROPERTIES												
		Solubility parts/1000			Dyeing Properties		Fixation Temperature (Exhaust Dyeing)	Light			Washing		Bleaching		Soda Boil		Alkaline Perspiration				
		Temperature	Straight	30 pts/1000 common salt	Substantivity	Reactivity		Day Light			I.S.O.3		I.S.O.4		Hypochlorite	Hydrogen peroxide		Effect	Stain	Effect	Stain
								1	1	2	Effect	Stain	Effect	Stain		Effect	Stain				
25	1	1	Effect	Stain	Effect	Stain	Effect	Stain	Effect	Stain	Effect	Stain	Effect	Stain							
Brilliant Red M5B * Red 2	0.4% 4.0%	30°C	80	50	H	H	30°C or 40°C	4	4-5	4-5	5	4-5	4-5	4-5	1	2 W Br	4-5	4-5	3	5	3-4
Brilliant Red M8B * Red 11	0.4% 4.0%	30°C	50	10	H	H	30°C	3-4	4-5	4-5	5	5	4-5	4-5	4 W Br	4-5	4	4-5	3-4	4-5	2
Pink MB * Red 74	0.4% 4.0%	30 C	80	40	H	M	30°C	4	4-5	5	4	4-5	4	4-5	2	3	3	4	4-5	4-5	5
Brilliant Magenta MB * Violet 13	0.4% 4.0%	30°C	20	less than 5	H	H	30°C	3-4	3-4	4	5	5	5	5	1	3	3	4	4-5	4-5	4-5
Brilliant Blue MR * Blue 4	0.4% 4.0%	30°C	80	40	L	H	40°C or 60°C	6	6	6-7	5	5	5	5	2 D	3-4	4-5	3-4	3	4-5	5
Turquoise Blue MGN * Blue 140	0.4% 4.0%	30°C	130	less than 5	H	H	60°C or 40°C	4-5	6	6	4-5	4	4	4	2-3 W G	2 W G	2	3	2	4	4
Navy Blue M3R * Blue 9	0.4% 4.0%	30°C	70	10	H	H	60°C	3-4	5	5-6	5	4	4-5	4	3 R	1	3-4	3	2	4-5	3



GOKUL EXIMP
REACTIVE 'H' DYES

		GENERAL PROPERTIES							FASTNESS PROPERTIES												
		Solubility parts/1000			Dyeing Properties		Fixation Temperature (Exhaust Dyeing)	Light			Washing		Bleaching		Soda Boil		Alkaline Perspiration				
		Temperature	Straight	30 pts/1000 common salt	Substantivity	Reactivity		Day Light			I.S.O.3		I.S.O.4		Hypochlorite	Hydrogen peroxide		Effect	Stain		
								1	1	2	Effect	Stain	Effect	Stain		Effect	Stain				
25	1	1	Effect	Stain	Effect	Stain	Effect	Stain	Effect	Stain											
0.4%		30°C	130	100	L	M	80°C	5-6	6-7	6-7	5	5	4-5	4-5	1	4 R	5	4-5	4-5	4-5	4-5
4.0%																					
0.4%		30°C	110	50	M	M	80°C	5-6	6	6	5	5	4-5	5	3	4-5	5	4 G	5	5	5
4.0%																					
0.4%		30°C	150	100	M	M	80°C	3	4-5	4-5	5	5	5	5	4 W	4	4-5	5	4-5	4-5	5
4.0%																					
0.4%		30°C	80	10	H	M	80°C	3	4-5	5	4-5	5	4	5	3-4	4	4-5	3	4	4	3-4
4.0%																					
0.4%		30°C	80	40	M	L	40°C or 60°C	6	6	6-7	5	5	5	5	2 D	3-4	4-5	3-4	3	4-5	5
4.0%																					
0.4%		30°C	150	80	M	L	80°C	6	6-7	6-7	5	5	5	5	4	2-3	5	4-5	5	2-3 Bl	4
4.0%																					
0.4%		30°C	90	30	L	M	80°C	4	4-5	4-5	5	4-5	5	4-5	4-5	5	4-5	3-4	3	4-5	3-4
4.0%																					

* C I Reactive



GOKUL EXIMP

REACTIVE 'H' DYES
'HE' DYES

		GENERAL PROPERTIES						FASTNESS PROPERTIES														
		Solubility parts/1000			Dyeing Properties		Fixation Temperature (Exhaust Dyeing)	Light			Washing		Bleaching		Soda Boil		Alkaline Perspiration					
		Temperature	Straight	30 pts/1000 common salt	Substantivity	Reactivity		Day Light			I.S.O.3	I.S.O.4	Hypochlorite	Hydrogen peroxide		Effect	Stain	Effect	Stain			
								1	1	2				Effect	Stain					Effect	Stain	
		25	1	1			Effect	Stain	Effect	Stain	Effect	Stain	Effect	Stain	Effect	Stain						
0.4%		30°C	120	80	H	M	80°C or 90°C	4-5	5-6	6	5	4	4-5	4	3-4 W G	2	3	4	2	4-5	3	
4.0%																						
0.4%		30°C	90	60	L	L	80°C	5-6	6	6-7	5	5	5	5	2 D	5	5	5	5	5	5	
4.0%																						
0.4%		30°C	70	-	M	M	80°C	5-6	6-7	6-7	5	5	4-5	4-5	3-4 RD	4-5	4-5	-	-	4-5	5	
4.0%																						
0.4%		30°C	40	40	L	M	80°C	1/6 4-5	6	6	5	5	4-5	5	4	3 W G	5	4-5	4-5	4-5	4-5	3
4.0%																						
0.4%		30°C	90	50	H	M	80°C	5-6	6	6	4	4	4	4	2-3 W G	5	4-5	4	2	4	4	
4.0%																						
0.4%		30°C	70	50	H	M	80°C	-	5	5	4-5	4-5	4	4	3	3	-	-	-	4-5	4-5	
4.0%																						
0.4%		30°C	50	30	H	M	80°C	-	4-5	4-5	4	5	4	4	3	4	4	-	-	3-4	4-5	
4.0%																						



GOKUL EXIMP
REACTIVE 'HE' DYES

		GENERAL PROPERTIES							FASTNESS PROPERTIES													
		Solubility parts/1000			Dyeing Properties		Fixation Temperature (Exhaust Dyeing)	Light			Washing		Bleaching		Soda Boil		Alkaline Perspiration					
		Temperature	Straight	30 pts/1000 common salt	Substantivity	Reactivity		Day Light			I.S.O.3	I.S.O.4	Hypochlorite	Hydrogen peroxide		Effect	Stain	Effect	Stain			
								1	1	2	Effect	Stain		Effect	Stain					Effect	Stain	
25	1	1	Effect	Stain	Effect	Stain	Effect	Stain	Effect	Stain	Effect	Stain	Effect	Stain								
0.4%		30°C	45	45	H	M	80°C	3-4	4-5	---	4	5	4	5	1	2	5	4	4-5	4	4	
4.0%																						
0.4%		30°C	25	20	H	M	80°C	5	5-6	---	5	5	4-5	5	1-2	4-5	4-5	4	4-5	4-5	4-5	
4.0%																						
0.4%		30°C	70	60	H	M	80°C	5	5-6	5-6	5	5	5	5	2-3	4-5	5	4	4-5	4-5	4-5	
4.0%																						
0.4%		30°C	35	5	H	M	80°C	3	3-4	4	4	5	4	5	4-5	4	4-5	3	W	Y	3	4
4.0%																						
0.4%		30°C	80	75	H	M	80°C	4	5	5	5	5	5	5	1	4	4	3-4	BI	D	3	4-5
4.0%																						
0.4%		30°C	150	150	H	M	80°C	3	4-5	4-5	5	5	4-5	4-5	3	4-5	4-5	3-4	4	5	4-5	
4.0%																						
0.4%		30°C	160	160	H	M	80°C	3-4	4-5	4-5	5	3	4-5	2-3	3-4	4-5	4-5	3-4	4	5	4-5	
4.0%																						

* C / Reactive



GOKUL EXIMP
REACTIVE 'HE' DYES

		GENERAL PROPERTIES							FASTNESS PROPERTIES												
		Solubility parts/1000			Dyeing Properties		Fixation Temperature (Exhaust Dyeing)	Light			Washing				Bleaching		Soda Boil		Alkaline Perspiration		
		Temperature	Straight	30 pts/1000 common salt	Substantivity	Reactivity		Day Light			I.S.O.3		I.S.O.4		Hypochlorite	Hydrogen peroxide		Effect	Stain	Effect	Stain
								1	1	2	Effect	Stain	Effect	Stain		Effect	Stain				
25	1	1	Effect	Stain	Effect	Stain	Effect	Stain	Effect	Stain	Effect	Stain	Effect	Stain	Effect	Stain					
0.4%		30°C	60	60	H	M	80°C	3-4	4	4	5	4-5	4-5	4-5	1-2 W D	4	4-5	3-4	3	4	4-5
4.0%																					
0.1%		30°C	70	60	H	M	80°C	5	6	6	4-5	3	4	2-3	2R D L	3	3	3-4	3	4	5
4.0%																					
0.4%		30°C	120	60	H	M	80°C	3-4	4	4-5	5	4-5	4-5	4-5	1	2-3 W	4-5 Y	5	4	4-5	4 Y
4.0%																					
0.4%		30°C	130	100	H	M	60°C	3-4	4	4-5	4-5	4	4-5	4	1	4	4	4	3-4	4 B	4
4.0%																					
0.4%		30°C	25	20	H	M	80°C	---	4	4	5	5	4-5	4-5	3	4	4	4	4	4	4
4.0%																					
0.4%		30°C	90	80	H	M	80°C	5-6	5-6	5-6	4-5	4-5	4-5	4-5	1	3-4	4	3-4	4-5	4-5 R	4
4.0%																					
0.4%		30°C	60	50	H	M	80°C	4-5	5	5-6	4-5	4-5	4-5	4-5	1	3-4	4-5			4-5	4-5
4.0%																					



GOKUL EXIMP
REACTIVE 'F' DYES
 (Bifunctional)

		APPLICATION						GENERAL PROPERTIES					FASTNESS PROPERTIES							
		Dyeing				Printing		Solubility		Affinity	Rate of Dyeing	Degree of Fixation %	Light 1/6	Light 1/1	Washing ISO4		Chlorinated Water	Perspiration		
		Exhaust Dyeing	One Bath Cold Pad Bath Process	Continuous Pad-Dry-Thermofix	Two Bath Pad-Dry/Chemical Pad/Steam Process	Print-Dry-Steam	Dischargeability	Straight	With 30 g/l Common Salt						Colour Change	Staining on Cotton		Colour Change	Colour Change	
0.4%		S	S	S	S	S	D	80	70	VH	M	70	5	5-6	4-5	4-5	3-4	4-5	4-5	
4.0%																				
0.4%		S	S	S	S	S	D	100	100	H	M	70	5	6-7	4-5	4-5	3	4-5	4-5	
4.0%																				
0.4%		S	S	S	S	S	D	80	25	H	M	70	4-5	5-6	5	5	3	4	4	
4.0%																				
0.4%		S	S	S	S	S	D	100	90	H	M	75	5	6	5	4-5	3-4	4	4	
4.0%																				
0.4%		S	S	S	S	S	ND	60	10	H	M	70	4	4-5	4	4	3	4	4	
4.0%																				
0.4%		S	S	S	S	S	ND	50	15	H	M	75	5-6	6	5	4-5	3-4	4-5	4-5	
4.0%																				
0.4%		S	S	S	S	S	ND	60	<30	H	M	75	5	5-6	4-5	4-5	3-4	4-5	4-5	
4.0%																				

* C I Reactive



GOKUL EXIMP
REACTIVE 'F' DYES
 (Bifunctional)

		APPLICATION						GENERAL PROPERTIES					FASTNESS PROPERTIES						
		Dyeing				Printing		Solubility g/l		Affinity	Rate of Dyeing	Degree of Fixation %	Light 1/6	Light 1/1	Washing IS04		Chlorinated Water	Perspiration	
		Exhaust Dyeing	One Bath Cold Pad Bath Process	Continuous Pad-Dry-Thermofix	Two Bath Pad-Dry-Chemical Pad Steam Process	Print-Dry-Steam	Dischargeability	Straight	With 30 g/l Common Salt						Colour Change	Staining on Cotton		Colour Change	Colour Change
0.4%		S	S	S	S	S	ND	100	90	H	M	75	5	5-6	4-5	4-5	3-4	4-5	4-5
4.0%																			
0.4%		S	NS	NS	S	NS	ND	30	<10	H	M	70	4-5	5	4	4	4	3-4	3-4
4.0%																			
0.4%		S	S	-	S	-	-	80	60	H	M	70	5	5-6	4-5	4-5	3	4-5	-
4.0%																			
0.4%		S	S	-	S	-	ND	50	50	H	M	70	<2	2	4	4	1	4-5	4
4.0%																			
0.4%		S	S	S	S	S	D	60	10	H	M	70	-	4-5	4	4	3	3	3
4.0%																			
0.4%		S	S	-	S	-	D	60	50	H	M	70	4	5	5	4-5	3	3-4	4
4.0%																			
0.4%		S	S	-	S	-	ND	100	90	H	M	85	-	4-5	4	4-5	4	4	4
4.0%																			

KEY TO ABBREVIATIONS

S	=	Suitable	G	=	Good	Y	=	Yellower
NS	=	Not Suitable	P	=	Poor	R	=	Redder
LS	=	Less Suitable	F	=	Fair	Bl	=	Bluer
D	=	Dischargeable	H	=	High	G	=	Greener
ND	=	Non - Dischargeable	VH	=	Very High	W	=	Weaker
			M	=	Medium	D	=	Duller
			L	=	Low	Br	=	Brighter

IMPORTANT : ALL INFORMATION GIVEN IN THIS SHADE CARD IS FAITH BUT WITHOUT WARRANTY. ALL DATAS GIVEN HERE ARE BASED ON CONTROLLED OR LAB-WORK AND MUST BE CONFIRMED FOR TESTING FOR ITS INTENDED CONDITIONS OF USE.



GOKUL EXIMP

**(STAR EXPORT HOUSE)
AN ISO 9001:2015 CERTIFIED COMPANY**

25-A Juhu Supreme Shopping Center, Gulmohar Cross Road No. 9, JVPD Scheme, Mumbai 400049, India

Phone: +91-22-66923698, 66997369 Mobile : +91-9820024339 (Naveen) / 9920459697 (Rohit)

Website : www.gokuleximp.com

Email: gokuleximp@gmail.com / naveen@gokuleximp.com / rohit@gokuleximp.com

