



PSD SERIES OF ALUMINUM DYES COLOUR ATLAS

SINCE 1993

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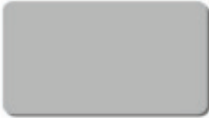
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Long An: 0946474884

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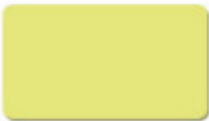
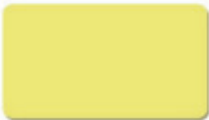
Bac Ninh: 0914968811

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PRODUCT NAME				PRODUCT PARAMETERS								
Dark shade	Middle shade	Light shade	Product name	pH	UV ΔE Fastness (D40 illuminant, 45°C, 96 h) except for the black dyes (10g/L)	Heat Fastness ΔE (200°C/2H) (Dark shade)	Wetting concentration (Black 0.2 – 10g/L)	Antiseptic must be added or not	Rate of Dyeing	Stability	Degree of Fading	Solubility (20°C)
			PSD-101 (Black)	5.0-6.0	0.61	1.97	0.1-10	Yes	Medium	Good	Normal	10-50g/L
			PSD-102 (Black)	5.5-6.5	0.57	0.94	0.1-10	Yes	Fast	Good	Normal	0-10g/L
			PSD-103 (Black)	5.0-6.5	0.26	1.94	0.1-10	No	Fast	Normal	Badly	0-10g/L
			PSD-104 (Black)	5.0-6.0	0.76	1.40	0.1-10	Yes	Medium	Good	Slight	10-50g/L
			PSD-105 (Black)	5.5-6.5	1.30	1.22	0.1-10	No	Medium	Good	Slight	>50g/L
			PSD-106 (Black)	5.0-6.0	7.35	18.91	0.1-10	Yes	Medium	Normal	Normal	10-50g/L
			PSD-107 (Black)	5.0-6.0	5.70	18.27	10.1-10	Yes	Slow	Normal	Badly	10-50g/L
			PSD-108 (Black)	5.0-6.0	27.90	17.73	0.1-10	Yes	Medium	Normal	Normal	>50g/L
			PSD-109 (Black)	5.0-6.0	22.82	14.18	0.1-10	Yes	Medium	Normal	Normal	>50g/L
			PSD-110 (Black)	5.0-6.0	15.18	8.58	0.1-10	No	Medium	Good	Slight	>50g/L
			PSD-111 (Black)	5.0-6.0	1.36	1.29	0.1-10	Yes	Medium	Good	Slight	10-50g/L
			PSD-112 (Grey)	5.5-6.5	7.62	1.59	0.2-5.0	Yes	Slow	Normal	Normal	10-50g/L
please note that this color card is for illustration purpose only and may differ from the actual product.												

PRODUCT NAME				PRODUCT PARAMETERS								
Dark shade	Middle shade	Light shade	Product name	pH	UV ΔE Fastness (D 4959 method, 40°C, 6h) except for the black dyes (10g/l)	HeatFastness ΔE (200°C/2h) (Dark shade)	Working concentration (Black 0.2-10g/L)	Antiseptic must be added or not	Rate of Dyeing	Stability	Degree of Fading	Solubility (20°C)
			PSD-113 (Grey)	6.5-7.5	7.5	19.6	0.2-5.0	Yes	Slow	Normal	Normal	10-50g/L
			PSD-114 (Black)	5.0-6.0	0.66	1.19	0.1-10	Yes	Fast	Good	Normal	10-50g/L
			PSD-201 (Blue)	5.0-6.0	11.04	2.85	0.2-3.0	Yes	Slow	Normal	Normal	0-10g/L
			PSD-202 (Blue)	5.0-6.0	6.49	7.63	0.2-5.0	Yes	Slow	Good	Normal	0-10g/L
			PSD-203 (Blue)	6.5-7.5	10.00	1.93	0.2-5.0	Yes	Slow	Good	Normal	10-50g/L
			PSD-204 (Blue)	5.0-6.0	3.01	3.93	0.2-5.0	No	Fast	Good	Normal	10-50g/L
			PSD-205 (Blue)	5.0-6.0	20.37	12.12	0.2-5.0	No	Fast	Normal	Normal	10-50g/L
			PSD-301 (Brown)	5.0-6.0	19.14	7.35	0.2-5.0	No	Medium	Normal	Normal	10-50g/L
			PSD-302 (Brown)	5.0-6.0	8.93	7.35	0.2-5.0	No	Fast	Good	Normal	10-50g/L
			PSD-401 (Green)	5.5-6.5	2.32	12.85	0.2-5.0	No	Medium	Good	Normal	10-50g/L
			PSD-402 (Green)	4.5-7.5	6.38	16.93	0.2-5.0	No	Medium	Normal	Badly	10-50g/L
			PSD-501 (Violet)	4.5-7.5	14.28	7.36	0.2-5.0	No	Fast	Good	Normal	10-50g/L

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PRODUCT NAME				PRODUCT PARAMETERS								
Dark shade	Middle shade	Light shade	Product name	pH	UV ΔE Fastness (5.00Wavelength, 40°C, 1h) except for the black dyes (10g/L)	Heat Fastness ΔE (200°C/2h) (Dark shade)	Working concentration (Black 0.2-10g/L)	Antiseptic must be added or not	Rate of Dyeing	Stability	Degree of Fading	Solubility (20°C)
			PSD-502 (Violet)	5.0-7.5	77.21	32.59	0.2-5.0	Yes	Medium	Normal	Badly	10-50g/L
			PSD-601 (Orange)	5.0-6.0	20.62	3.52	0.2-5.0	Yes	Medium	Good	Slight	10-50g/L
			PSD-602 (Orange)	5.0-6.0	7.32	3.81	0.2-5.0	Yes	Fast	Good	Slight	10-50g/L
			PSD-603 (Orange)	5.0-6.0	7.41	2.88	0.2-5.0	Yes	Fast	Good	Slight	10-50g/L
			PSD-604 (Orange)	5.0-6.0	2.79	6.95	0.2-5.0	Yes	Medium	Good	Slight	10-50g/L
			PSD-701 (Yellow)	5.0-6.0	0.51	1.33	0.2-5.0	Yes	Slow	Good	Normal	>50g/L
			PSD-702 (Yellow)	5.0-6.0	6.97	1.10	0.2-5.0	Yes	Slow	Good	Normal	>50g/L
			PSD-801 (Red)	5.0-6.0	6.73	6.16	0.2-5.0	Yes	Fast	Normal	Badly	10-50g/L
			PSD-802 (Red)	5.0-6.0	2.08	2.56	0.2-5.0	No	Medium	Good	Normal	10-50g/L
			PSD-803 (Red)	5.0-6.0	4.96	4.53	0.2-5.0	Yes	Fast	Good	Normal	10-50g/L
			PSD-804 (Red)	5.0-6.0	25.55	19.11	0.2-5.0	No	Slow	Good	Slight	10-50g/L
			PSD-805 (Red)	5.0-6.0	24.22	4.66	0.2-5.0	No	Medium	Normal	Normal	10-50g/L

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Process Of Aluminum Anodizing

Degreasing→Neutralizing→Anodizing→Dyeing→Sealing.
(The rinsing steps are omitted)

Degreasing

AL-CLEAN DA5 50g/L, 50°C, 3-5min.

Anodizing

H₂SO₄ 180g/L, Al³⁺ 5-10g/L, Voltage 14-15V.

Current density 1-1.2A/dm², Temperature 18-21°C, Time 45/30/15min.

Dyeing

30°C (5g/L\ 2g/L\ 0.5g/L; 10min\5min\1min)

Sealing

PHS-5000, 6g/L, 90°C±5°C, 15min.

We only guarantee that the data of this test is true and reliable. However, the suitability for any particular purpose should be verified by the user's own testing.

It is recommended to add the antiseptic to the new dye bath and filter the dye solution continuously during use.