

丽源素®
LIYUANSOL®

FL/BLF/FS/HS 浸染

FL/BLF/ FS/HS SERIES - EXHAUSTION



湖北丽源科技股份有限公司
HUBEI COLOR ROOT TECHNOLOGY CO.,LTD

丽源素 FL 型高日晒活性染料

LIYUANSOL FL series for high light fastness

- 1、主要用于浅中色，高耐晒高光汗色牢度
Mainly for pale to medium shades, high light and perspiration-light fastness
- 2、工艺适用性强，可用于浸染，轧染，冷轧堆
Versatile dyeing processes for exhaustion, continuous and CPB
- 3、易清洗，湿牢度优异
Easy washing off, excellent wet fastness
- 4、良好的耐过氧化物漂白与多次洗涤牢度
Good oxidative bleach damages and repeat laundering fastness
- 5、使用灵活，可与其他型号丽源素染料配伍
Flexibility in application, compatible with other Liyuansol dyes
- 6、符合Oeko-Tex标准及环保要求
Conform to Oeko-Tex standard and environmental requirement
- 7、配伍性优良，操作简单
Good compatibility, easy handling

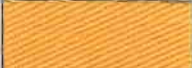
丽源素FL型染料 LIYUANSOL FL		溶解度 Solubility 50 °C	耐晒色牢度 Light fastness ISO 105-B02			耐洗色牢度 Washing fastness ISO 105-C06 C15		耐汗渍色牢度 Perspiration AATCC 15		耐氯水色牢度 Chlorinated water ISO 105-E03
0.5 %		g/L	1/12SD	1/6SD	1/1SD	CH	CO	CH	CO	10ppm
艳黄FL-5G Br. Yellow		100	4	4-5	5	4-5	4-5	4-5	4-5	3-4
黄FL-2RN ★ Yellow		100	4-5	5	5-6	5	4-5	4-5	4-5	4
黄FL-NP ◆ Yellow		100	5	5-6	6-7	5	4-5	5	4-5	4
大红FL-3GL ★ Scarlet		100	3-4	4	5	5	4-5	4-5	4-5	4-5
红FL-R Red		80	3	3-4	4-5	5	4-5	5	4-5	4
红FL-2BL ★ Red		100	5	5-6	5-6	5	4-5	5	4-5	2-3
艳蓝FL-4R Br. Blue		100	4-5	5	6	5	4-5	5	4-5	2
蓝FL-RN ★ Blue		100	4-5	5	7	5	4-5	4-5	4-5	3-4

备注Note: ★高日晒三原色Ternary for high lightfastness, ◆无光致色变Non-photochromic, ★1%染色Dyeing, CH=色变Color change, CO=棉沾Cotton staining

丽源素 BLF/FS 型良好日晒活性染料

LIYUANSOL BLF / FS series for good light fastness

- 1、BLF用于中深色，FS用于浅中色，耐晒相关牢度出色
Suitable for medium to deep of BLF, pale to medium of FS with remarkable light related fastness
- 2、基于多反应基团的高固色率性能
Based on multi-reactivity group, High fixation performance
- 3、相近直接性和反应性产生的良好配伍性，最大化首次成功率
Similar substantivity and reactivity result in good compatibility, maximized Right First Time performance
- 4、易清洗，良好的水洗色牢度
Easy washing off properties with good washing fastness
- 5、使用方便，可与其他型号丽源素染料配伍
Flexibility in application, compatible with other Liyuansol dyes
- 6、符合Oeko-Tex标准及环保要求
Conform to Oeko-Tex standard and environmental requirement
- 7、性价比高，工艺适用性广
Cost effective, versatile process application

丽源素BLF/FS型染料 LIYUANSOL BLF/FS		溶解度 Solubility 50 C	耐晒色牢度 Light fastness ISO 105-B02		耐光汗色牢度 Light-Perspiration ISO 105-B07, 1/1SD		耐洗色牢度 Washing fastness ISO 105-C06 C15		耐汗渍色牢度 Perspiration AATCC 15		耐氯水色牢度 Chlorinated water ISO 105-E03
0.5%		g/L	1/6SD	1/1SD	酸acid	碱alkali	CH	CO	CH	CO	10ppm
黄BLF ★		100	5-6	6	5	4-5	5	4-5	5	4-5	4-5
红BLF ★		100	4-5	5	4	3	5	4-5	4-5	4-5	4
蓝BLF ★		100	5	5-6	4	4	5	4-5	5	4-5	4
深蓝BLF		100	4-5	5	4	3-4	4-5	4-5	5	4-5	3-4
青石蓝BLF-G		100	4-5	5	4	3-4	4-5	4-5	5	4-5	3-4
藏青BLF150%		100	4	4-5	3-4	3	4-5	4-5	5	4-5	3-4
黑BLF *		100	5	5-6	4	3-4	4-5	4	5	4-5	3-4
深黑BLF		100	5	5-6	4	3-4	4-5	4	5	4-5	3-4
黄FS		100	5	5-6	5	5	4-5	5	5	5	4-5
红FS		100	4	4	4	4	4-5	5	4-5	5	4-5
蓝FS		100	4-5	5	4-5	4-5	4-5	5	4-5	5	4

备注Note : ★ 良好日晒中深三原色Ternary for good lightfastness in medium-deep, * 良好日晒浅中三原色Ternary for good lightfastness in pale-medium, * 6%染色Dyeing

丽源素HS型 活性染料, 易清洗的经济型深色系

LIYUANSOL HS reactive dyes, economical series for deep shades with easy washing off

- 1、高力份, 高提升力, 阻染影响最小化
High strength, high color build up, minimized blocking impact
- 2、适用于浸染、轧染与冷轧堆的全能型染料
Versatile for exhaustion, continuous and CPB dyeing
- 3、基于多反应基团的高上色率高固色率
Based on multi-reactivity group, High exhaustion and fixation rate
- 4、使用方便, 可与其他型号丽源素染料配伍
Flexibility in application, compatible with other Liyuansol dyes
- 5、符合Oeko-Tex标准及环保要求
Conform to Oeko-Tex standard and environmental requirement

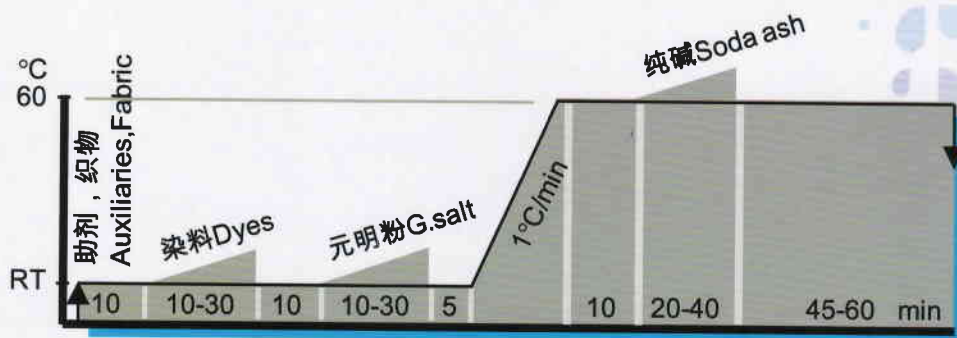
丽源素HS型染料 LIYUANSOL HS			溶解度 Solubility 50 °C	耐晒色牢度 Light fastness ISO 105-B02		耐洗色牢度 Washing fastness ISO 105-C06 C15		耐汗渍色牢度 Perspiration AATCC 15		耐氯水色牢度 Chlorinated water ISO 105-E03
	1%	3%	g/L	1/6SD	1/1SD	CH	CO	CH	CO	10ppm
黄HS-3R Yellow			100	4	4-5	5	4-5	5	4-5	4
橙HS-3RW Orange			100	3-4	4	5	4-5	5	4-5	4
红HS-W Red			100	3-4	4	4-5	4-5	4-5	4-5	4
红HS-3B Red			100	4	4-5	4-5	4-5	5	4-5	4
樱桃红HS-C Cherry			100	4	4-5	4-5	4-5	4-5	4-5	4
红HS-B Red			100	3-4	4	5	4-5	5	4-5	4-5
深红HS-D Deep Red			100	4	4-5	5	4-5	5	4-5	4
海洋蓝HS-RN Ocean			100	6	6-7	5	4-5	4-5	4-5	4-5
藏青HS-G Navy			100	3-4	4	5	4-5	5	4-5	4
藏青HS-R Navy			100	4-5	5	4-5	4-5	5	4-5	3
藏青HS-D Navy			100	3-4	4	5	4-5	5	4-5	3-4
黑HS-ED Black			100	3-4	4	5	4-5	5	4-5	4
碳黑HS-D Carbon			100	3-4	4	5	4-5	5	4-5	4

备注Note: 2% & 6% 黑色For the black, ◆ 深三原色Ternary for dark shades, ◆ 特深三原色Ternary for ultra dark shades

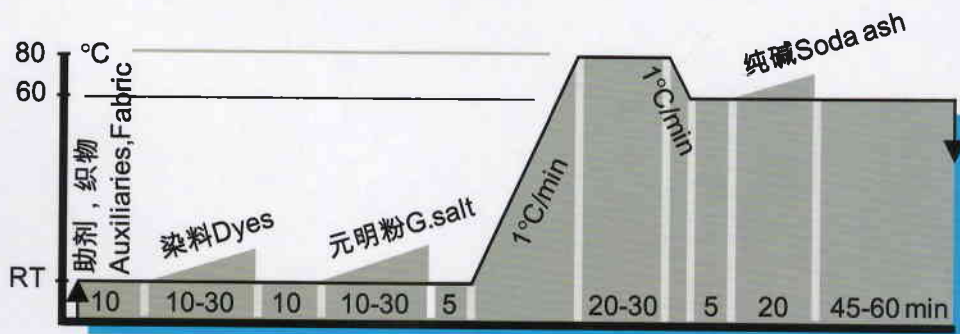
浸染工艺

Exhaustion Dyeing Process

中温染色
Warm Dyeing 60 °C



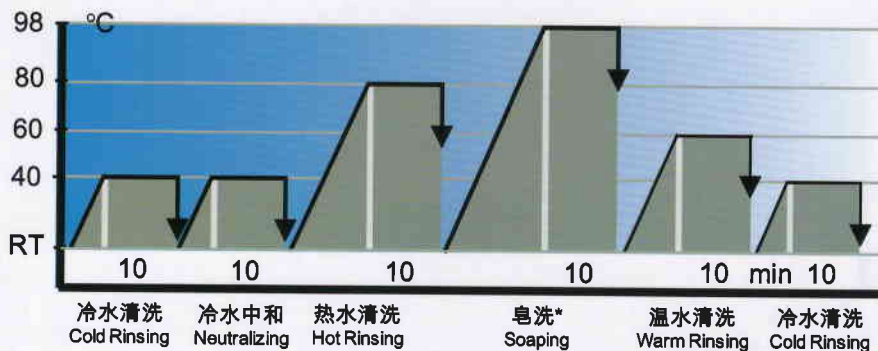
高温移染/中温染色
Migration / Warm Dyeing
80/60 °C



盐碱表
Chemical dosage

非丝光棉, non-mercerized cotton, LR10:1							
染料Dyestuff	%	<0.5	0.5-1	1-2	2-3	3-5	>5
元明粉Glauber's Salt	g/L	30	40	50	70	80	100
纯碱Soda Ash	g/L	8	12	15	20	20	20

浸染后清洗
Exhaustion
washing off process



*建议深色98°C皂洗两遍 a second soaping at 98°C is recommended for dark shades



COLOR ROOT

湖北丽源科技股份有限公司

湖北省松滋市陈店镇丽源大道一号 434209

HUBEI COLOR ROOT TECHNOLOGY CO.,LTD
No.1 Liyuan Avenue, Chendian Town, Songzi City, Hubei Province,
434209 China
Tel: +86 716 6797888
Fax: +86 716 6797339
Http://www.colroot.com

上海丽源科技有限公司

上海松江漕河泾高新技术园莘砖公路258号39幢1B-3B楼 201612

SHANGHAI COLOR ROOT TECHNOLOGY CO.,LTD
1B/F-3B/F, Building 39, No.258, Xinzhuang Road, Caohejing Hi-Tech Park, Songjiang,
Shanghai, 201612 China
Tel: +86 21-37768000
Fax: +86 21-37761922

武汉分公司

湖北省武汉市江汉区淮海路泛海国际SoHo城7单元502室

WUHAN OFFICE
Add: Room 502, Unit 7, Oceanwide International SOHO Town, Huaihai
Road, Jianghan District, Wuhan City, Hubei Province, 430000 China
MB: +86 186 7168 5565

孟加拉分公司

BANGLADESH OFFICE
Add: House#11(4th Floor), Road#07, Sector#12, Uttara, Dhaka-1230, Bangladesh
MB: (CN)+86 155 7204 4730
(BD)+88 01708539419

孟加拉代理

BANGLADESH AGENT
M/s: D and D Chemicals
Add: House#11, 5th Floor, Road 7, Sector-12, Uttara, Dhaka-1230,
Bangladesh
TEL: +88 02 5508743
+88 01713 027506

青岛分公司

山东省青岛市即墨区长江二路369号楼1单元501室

QINGDAO OFFICE
Add: Room 501, Unit 1 Building 369, Changjiang Road, Jimo District, Qingdao City,
Shandong Province, China
MB: +86 139 8671 5223

佛山分公司

佛山市南海区小塘工业大道新境工业区罗岗

FOSHAN OFFICE
Add: Luogang, New Frontier Industrial Zone, Xiaotang Industrial Avenue,
Nanhai District, Foshan, China
MB: +86 186 2729 7959

绍兴分公司

浙江省绍兴市袍江新区锦江半岛小区3幢102室

SHAOXING OFFICE
Add: Room 102, Building 3, Jinjiang Peninsula Community, Paojiang New District,
Shaoxing, Zhejiang, 312000. China
MB: +86 158 2770 9388

无锡分公司

江苏省无锡市锡山区东亭路华夏之春小区2-2幢501室

WUXI OFFICE
Add: Room 501, Building 2-2, Huaxiazhichun Estate, Dongting Road, Xishan District,
Wuxi City, Jiangsu, 214107 China
MB: +86 186 2729 0997



Disclaimer: The testing data in this pattern card is obtained from our company Lab. We will not overtake any risk caused by this. Every factory has difference in index data because of different process, dyeing material, water, chemicals etc, as such factors, the data is just for your reference. Your lab experiment is highly suggested before initiating mass-production.

CRExhaustion-RE-B-V3-1500-June2019SH