

Auxiliaries 助剂

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英彩特CFE special: 羊毛活性染料的低泡匀染剂。可以控制防缩羊毛染色的上色率。可以解决其他羊毛的毛尖毛根效应, 提高得色率。

Serilapse DW: Rapid wetting agent for cellulosic and synthetic fibres, Excellent anti-foaming properties, Promotes level dyeing by removing trapped air.

雪利立丝 DW: 快速渗透的功能, 具有很好的抑泡特性, 有效除去气泡以提高染色的均匀性。

Intratex LTD is a promoting agents and wool protective agents specifically designed for reactive dyeing of wool at below boiling point, dyeing at 85°C–90°C, it can effectively protect the wool fibers.

英彩特LTD是一专门设计用于羊毛在沸点以下用活性染色的促进助剂及羊毛保护剂, 使染色在85°C–90°C进行, 可有效保护羊毛纤维。

Intratex RLB is a leveling agent designed for reactive dyeing of wool at below boiling point.

英彩特RLB是一种设计用于羊毛在沸点以下用活性染色的匀染剂。

Intraslide ADB: Acid donor for controlling the rate of exhaustion on wool and polyamide. Progressively reduces the pH to 5.5–6.5 at the boil, promoting level exhaustion of the dyes.

英彩丝丽ADB: 控制羊毛和锦纶, 上染速度的释酸剂。在高温下逐步减低酸碱值至5.5–6.5, 促进均匀上染。

Intraslide ADF: Acid donor for controlling the rate of exhaustion on wool and polyamide. Progressively reduces the pH to 4.5–5 at the boil, promoting level and increases dye yield of heavy shades.

英彩丝丽ADF: 控制羊毛和锦纶, 上染速度的释酸剂。在高温下逐步减低酸碱值至4.5–5, 促进均匀上染和提高深色的上染率。



INTRAFAST DYES

英彩费斯染料

reactive dyes for wool
毛用活性染料



Intrafast reactive dyes for wool
英彩费斯毛用活性染料

- Intrafast Dyes be used to wool as loose stock,tops,yarn(for woven and knitted goods) and Shrinkproof wool. The dyes are particularly suitable for machine washable wool. They meet all the fastness criteria set by Woolmark.
英彩费斯染料，可用于羊毛散毛、毛条、纱线染色(机织和针织)及防缩羊毛。特别适用于机可洗羊毛。能满足国际羊毛局的所有牢度标准。
- Provide an attractive shade gamut to cover fashion demands. 提供全面而广泛的色谱，可满足所有的时尚需求。
Fibre reactive, they provide outstanding wet fastness and high light fastness as well as excellent exhaustion and high levels of fixation.
与纤维反应，英彩费斯系列提供卓越的湿牢度、高日晒牢度和优秀的上染率和固色率。
- Due to their exceptional compatibility and level dyeing proportions they are also“tailor made” for dyeing trichromatic shades at all depths.
由于其特别优异的配伍性和匀染性能，英彩费斯系列也非常适合于“量身定做”的所有深度的三原色拼染。
- Robust to processing variables therefore providing excellent reproducibility and maximizing the concept of right first time dyeing.
由于对工艺的变化稳定，可以提供很好的重现性和最大可能的实现“一次准”染色。
- Economic and are therefore cost effective.
经济，因此可节省成本。
- Meet requirements of zero chrome content for Oeko–Tex Standard 100 and therefore perfect replacements for chrome mordant dyes.
符合Oeko–Tex标准100不含铬的要求，因此非常适合取代铬媒介染料。
- Produce bright shades where fastness requirements are higher than those attainable with Acid Milling dyes.
染鲜艳色时可获得比酸性缩绒染料更好的牢度。
Possess excellent build up properties enabling the production of bright deep shades.
具有很好的上染提升率，可以染出鲜艳色光的深色。

Intrafast Reactive dyes for wool
英彩费斯毛用活性染料

Depth 深度 %	
Light Fastness (Xenotest) 日晒牢度(氙灯) ISO 105-B02	1/3 SD
	1/1 SD
Washing 水洗(50℃) TM 193B	SC
	WO
	PA
	CO
Alkaline Perspiration 碱性汗渍牢度 TM 174	SC
	WO
	PA
	CO
Alkaline Milling 碱性缩绒	SC
	WO
	CO
Hot Water 热水(70℃)	SC
	WO
	CO
Chlorine resistant stability 耐氯稳定性	SC
Potting 煮呢 ISO 105-E09	WO
	CO
Rubbing 摩擦牢度 ISO 105-X12	Dry
	Wet

Abbreviations缩写 SC : effect on shade色光变化 PA : stain on polyamide尼龙沾色
WO : stain on wool羊毛沾色 CO : stain on cotton 棉沾色

Yellow 4G 黄 4G	Orange RG 橙 RG	Scarlet 3G 大红 3G	Red 6G 红 6G	Red 2G 红 2G	Red GN 红 GN	Red B 红 B
1.4%	1.4%	1.6%	1.2%	1.2%	1.2%	1.2%
6	4-5	4-5	5-6	5-6	4	5-6
7	5	5-6	6-7	6	5-6	6
4-5	4	4-5	4-5	4-5	4-5	4-5
5	5	5	5	5	5	5
5	5	5	5	5	5	5
5	5	5	5	5	5	4-5
4-5	3-4	4-5	4-5	4-5	4-5	4-5
5	4	5	5	5	5	5
5	3	5	4-5	5	4-5	5
5	3-4	5	5	4-5	4-5	3-4
3-4R	4	4-5	4-5	4-5	4	4-5
4	5	4-5	4	5	4-5	4
5	5	5	5	5	4	3
4-5	4	4-5	5	5	4-5	5
4-5	5	5	4-5	5	5	4-5
5	5	4-5	5	4-5	4-5	4
4-5	4-5	5	4W	5	4-5	4-5
3-4	4	4-5	3-4	3-4	4	3-4
5	5	5	5	5	5	4
5	5	5	5	4-5	4-5	4-5
4-5	4-5	4-5	4-5	4	3-4	4

B : bluer蓝光 R : redder 红光 Br : brighter明亮 W : weaker 浅
G : greener绿光 Y : yellower黄光 Du : duller 暗沉 De : deeper 深

Red 5B 红 5B	Blue 3R 蓝 3R	Blue 4R 蓝 4R	Blue 3G 蓝 3G	Blue 8G 蓝 8G	Golden Yellow CE-01 金黄 CE-01	Red CE 红 CE
0.9%	1.9%	1.9%	1.5%	1.5%	1.2%	1.7%
5	5	5	5	4-5	6	5
5-6	5	6	6	5-6	6-7	6
4-5	4-5	4-5	4-5	-	4-5	4-5
5	5	5	5	-	5	4
5	5	5	5	-	5	4-5
4-5	5	5	5	-	4-5	5
4-5	4-5	4-5	4-5	-	4-5	4-5
5	5	5	5	-	5	4
5	5	5	5	-	5	5
3-4	5	5	5	-	4-5	5
4-5	4-5	4-5	4	3	4-5	3-4
4	3-4	3-4	3-4	4	5	4-5
3	5	5	5	2-3	4-5	4-5
4-5	5	5	4-5	4-5	5	5
5	4-5	4-5	4-5	4-5	5	5
4	5	5	5	4-5	5	5
4YW	3GW	3GW	3GDu	4-5	4-5	4
3-4	3	3	3-4	2-3	3-4	4-5
4	4-5	4-5	5	4-5	5	5
5	4-5	4-5	5	4-5	5	5
4	4	4	4	3-4	4-5	4-5

rubbing摩擦 dry : 干摩擦
wet : 湿摩擦

Blue CE 蓝 CE	Navy CE 藏青 CE	Navy CE-R 藏青 CE-R	Black CE 黑 CE	Black CE-R 黑 CE-R	Deep Black CE-2B 深黑 CE-2B
1.8%	2.2%	1.5%	5.0%	3.2%	3.2%
5	4	3-4	5	4-5	4-5
5-6	5	4-5	6-7	6	6
4-5	4-5	5	4-5	4-5	4-5
4-5	4-5	4-5	5	5	5
5	4-5	5	5	5	5
5	5	5	5	5	5
4-5	4-5	5	4-5	4-5	4-5
4-5	4-5	5	4-5	4-5	4-5
4-5	4-5	5	5	5	5
4-5	5	5	5	5	5
4-5	4	4-5	5	5	5
4-5	4-5	4-5	5	4-5	4-5
5	5	4-5	5	4-5	4-5
4-5	5	5	5	5	5
5	5	5	5	5	5
4	4	4-5	4-5	4-5	4-5
4-5	4-5	4-5	4-5	4	4
4-5	5	4-5	5	4-5	4-5
4-5	5	5	4-5	4-5	4-5
4-5	4	4	3-4	3-4	3-4

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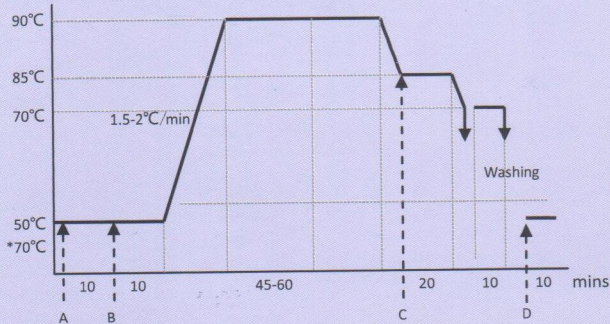
英彩丝丽ADF: 控制羊毛和锦纶,上染速度的释酸剂。在高温下逐步减低酸碱值至4.5–5，促进均匀上染和提高深色的上染率。

Loose stock and wool top dyeing process
散毛和毛条染色工艺

Low temperature dyeing of dark color
深色的低温染色

Saving more cost and time, the key is to reduce the dyeing temperature and shorten the dyeing time.
更加能节约成本和时间，关键是在降低染色温度和缩短染色时间。

It is a very stable dyeing system whose process has excellent reproducibility.
此工艺是有着优异重现性的非常稳定的染色系统。



*For black dyes, the dyeing initial temperature at 70 °C is more advantage to save time.

*对于黑色染料，染色起始温度在70℃更有利于节省时间。

A:	0.5-2.0 g/l	Serilapse DW	雪利立丝 DW
	1.0-2.0 %	Intratex LTD	英彩特 LTD
	x %	Formic Acid/Acetic Acid	甲酸/醋酸
	pH 4.0-4.3	Last pH	最终pH
B:	y %	Dye	染料
C:	Z %	Soda Ash	纯碱
	pH 8.0-8.5	Last pH	最终pH
D:	1.0 %	Formic Acid	甲酸

Remarks备注

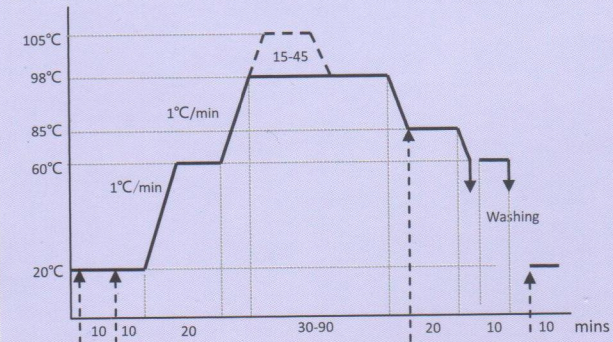
- Suitable for the dyeing which the amounts of dyes are more than 2%.
适用于染料用量超过2%。
- Dyeing pH 4-4.3(Too low or too high pH will reduce fixation rate of dyes).
染色pH为4-4.3 (pH过低或过高将降低染料的固着率)。
- When aftertreatment and temperature at 85°C, add soda ash to the residual bath.(rather than ammonia).
后处理在85℃时在残浴中加入纯碱 (而不是氨水) 。

Shrinkproof processing and machine washable wool dyeing process
防缩处理和机可洗羊毛染色工艺

Choose machine washable wool dyeing process
选择机可洗羊毛的染色方法

Making machine washable wool achieving very high fastness.
使机可洗羊毛要求达到非常高的牢度。

Dyes are non-exudative, and keep as good as new after repeated washing. In order to guarantee quality and conferred added value of wool, it must be a stable and reliable dyeing process.
染料不可渗出，而且经过重复水洗后保持如新。为了保证质量和赋予羊毛的附加值，必须有一个稳定可靠的染色工艺。



A:	0-2.0 g/l	Serilapse DW	雪利立丝 DW
	1.0-2.0 %	Intratex LTD	英彩特 LTD
	0-1.0 %	Intratex RLB	英彩特 RLB
	0-10.0 %	Sodium sulfate	无水硫酸钠
	4.0 %	Ammonium Sulfate	硫酸铵
	x %	Acetic Acid	醋酸
	pH 7.0-4.5	See Table	(见表)
B:	y %	Dye	染料
C:	Z %	Soda Ash	纯碱
	pH 8.0-8.5	Last pH	最终pH
D:	1.0 %	Formic Acid	甲酸

Remarks备注

- In standard dyeing process plus 1% Intratex RLB to improve the levelness.
在标准染色工艺中另加1% Intratex(英彩特)RLB,以改善均染性。

Dyeing pH recommendation 染色pH推荐

Dye % 染料	Wool 普通羊毛 pH	Chlorinated or Super wash Wool 氯化或防缩羊毛 pH
0-0.5	7-6.5	8-7.5
0.5-1	6.5-6	7.5-7
1-2	6-5.5	7-6.5
2-4	5.5-5	6.5-5.5
>4	4.5	5.5-4.5