



INTRASIL MSD DISPERSE DYES 英彩休MSD分散染料

Intrasil MSD Dyes are compatible and economical medium-energy disperse dyes for rapid and reliable dyeing of polyester and polyester blends.

英彩休MSD是一套配伍性优越的中温经济型染料，可采用快速及普通染色工艺，适用于聚酯及聚酯纤维混纺染色。

Controlled coloration; excellent Right-First-Time performance through dyestuff compatibility

染色易控制，染料配伍性优越，可有效提高染色一次成功率

Suitable for dyeing microfiber with good build up performance and very economical

用于超细纤维染色具有良好的提升性和经济性

Part of the products are very suitable for the dyeing of the suede nap

部分产品非常适合麂皮绒染色

Full compliance with Oeko-Tex Standard 100

满足环保Oeko-Tex100标准要求

Versatility in exhaust and continuous dyeing

可适用于浸染或连续染工艺

INTRASIL MSD DISPERSE DYES

英彩休MSD分散染料

Economical Disperse Dyes
经济型分散染料











Intrasil MSD Disperse Dyes

英彩休 MSD 分散染料

Polyester 涤纶纤维

1/1 SD 标准深度 (%)	
Fastness to light (Xenon) / 日晒牢度 (氙)	1/1 S.D
Fastness to light (Xenon) / SD 日晒牢度 (氙)	1/3 S.D
Sublimation (180°C X 30 sec) / 升华牢度(180°C X 30 秒)	
Level uptake / 匀染性	
Barre' coverage / 条花覆盖性	
pH stability / 酸碱稳定值	
Thermofixation (optimum temp.°C) / 热溶染性 (适宜温度°C)	
PES yarn, tops / 高温-纱, 毛条	
PES piece / 高温-布	
PES / Cell.yarn / 涤/纤维素纱	
PES / Cell. Piece / 涤/纤维素布	
PES / WO 105.°C / 涤/毛混纱 105.°C	
PES / WO 120.°C / 涤/毛混纱 120.°C	
Washing fastness C4A (60°C) / 热迁移 C4A (60°C) 水洗牢度	
Printing/HTS fixation / 印花/高温汽蒸法	
Printing/PS fixation / 印花/高压汽蒸法	

Yellow MSD 300 黄 MSD 300	Golden Yellow MSD 300 金黄 MSD 300	Orange MSD 300 橙 MSD 300	Yellow Brown MSD 300 黄棕 MSD 300	Brill.Red MSD 300 艳红 MSD 300	Red MSD 300 红 MSD 300	Rubine MSD 300 红玉 MSD 300	Blue MSD 300 蓝 MSD 300
1.00	0.33	0.70	0.70	1.32	0.75	0.60	0.50
>7	7	6-7	6-7	5-6	7	6	6
>7	6-	6-7	6	5-6	7	6	6
3-4	4-5	4	4	4	4	3-4	4
++	+++	+++	+++	+++	+++	+++	+++
+++	+++	+++	+++	+	++	++	+++
3-9	3-8	3-7	3-8	3-9	4-6	3-9	3-7
-	210	210	210	210	210	210	210
- *	+	+	+	+	+	+	+
++	++	++	++	++	++	++	++
-	+	+	+	+	++	+	+
+	++	++	++	++	++	++	++
++	+	+	+	+	-	++	+
++	+	+	+	++	-	++	+
+	++	+	++	+	+	+	+
-	+	+	+	+	+	+	+
++	++	++	++	++	++	++	++

Turq.Blue MSD 300 翠蓝 MSD 300	Deep Blue MSD 300 深蓝 MSD 300	Navy MSD 300 藏青 MSD 300	GREY MSD 300 灰 MSD 300	Black MSD 300 黑 MSD 300	Black MSD-R 300 黑 MSD-R 300	Black MSD-G 300 黑 MSD-G 300	Deep Black MSD-P 300 深黑 MSD-P 300
							
1.15	1.00	1.50	1.20	3.00	2.60	3.50	2.00
7	5-6	5-6	4	6	6	6	6
7	5	5	4	6	5-6	5	5-6
4	3-4	3-4	4	3-4	3-4	4-5	3-4
+++	+++	+++	+++	+++	+++	++	+++
+++	++	++	-	+	+	+	+
3-9	3-9	3-9	3-9	3-9	3-9	4-6	3-9
210	210	210	210	210	210	210	210
++	++	++	++	++	++	++	++
++	++	++	++	++	++	++	++
++	++	++	++	++	++	++	++
++	++	++	++	++	++	++	++
+	(+)	(+)	(+)	(+)	(+)	-	(+)
++	+	++	++	++	++	-	++
++	+	+	-	+	+	+	+
++	+	+	++	+	-	++	-
++	++	+	++	+	+	++	+

Dyeing Process 染色工序

A Exhaustion 竭染法

Dye 染液	X g pH 4.5-5.0	Intrasil Disperse dyes Dyapol AB or Intratex AB-4.5
	1g/l 1g/l	Dyapol XLF Dyamul SLX
	1-3°C/min	Heating rate
	130°C, 30-60mins	
	Cooling down to 80°C	
Reduction cleaning 还原清洗	1-3 g/l pH 4.5 80°C, 10-20mins Washing	Dyapol ECO

B Continuous process 热熔

Dye 轧液	X g 5-10g/l 1-2g/l PH 4.5	Intrasil Disperse dyes Antimigrant CD Dyamul CDW Dyapol AB or Intratex AB-4.5
Padding 浸轧	30-40°C 50-80%	liquor pick up
Pre-drying 预烘	110°C, 1-2 mins	
Thermersol fixation 热熔	180-220°C	30-90s
Reduction cleaning 还原清洗	8-10 g/l 8-10 g/l 2-4 g/l 80°C, 30s	380Be NaOH Sodium Hydrosulfite Dyamul RCL

C Printing 印花

Printing paste 印花浆料	X g 500-600g 5g 20g 3-5g Y g/l 1000g	Intrasil Disperse dyes Polyprint TH/TL (NH4)2SO4 Urea Dyapol HWF Water Total
Pre-drying 预烘	110°C, 1-2 mins	
Fixation 固色	HT Steam HP Steam Hot air	170-180°C, 10-7mins 130°C, 2.5bar, 20-30mins 180-200°C, 60s
Reduction cleaning 还原清洗	8-10 g/l 8-10 g/l 2-4 g/l 80°C, 30s	380Be NaOH Sodium Hydrosulfite Dyamul RCL

Recommended Auxiliaries推荐助剂

DYAPOL AB (得亚宝AB)

A buffer with built in dispersing and metal sequestering properties for use in the application of disperse dyes on polyester and for disperse/direct or disperse/reactive dyes on polyester/cellulosic blends dyed by a 'one-bath' process. Controls the effects of temporary water hardness and overcomes problems associated with water supplies, which are subject to wide variations in pH. This product is essential when dyeing with disperse dyes sensitive under neutral or alkaline pH conditions.

具有分散和螯合功能的缓冲剂,用于分散染料涤纶染色及分散/直接、分散/活性一浴法染色过程;解决因水质变化,如硬度、pH等而引起的染色问题。对那些在中性或碱性条件下比较敏感的分散染料,其染色效果更好。

INTRATEX AB-45 (英彩特AB-45)

A buffer with built in metal sequestering properties for use in the application of disperse dyes on polyester and for disperse/direct or disperse/reactive dyes on polyester/cellulosic blends dyed by a 'one-bath' process.

具有螯合金属离子功能的缓冲剂,用于涤纶染色和涤纶/棉一浴法染色工艺过程中。

DYAPOL XLF (得亚宝XLF)

A highly effective leveling and dispersing agent for the application of disperse dyes to polyester, especially in difficult dyeing conditions or using difficult dyestuff combinations.

涤纶染色用高效分散匀染剂。特别适用于染色条件不是很好及染料配伍性不好的情况下。

DYAMUL SLX NEW (得亚美SLX NEW)

A low foaming detergent for scouring, high capacity to dissolve and emulsify greases, waxes and oils. It is especially effective on synthetics and s synthetics/elastane blends. Alkali-stable and can be used for scouring and dyeing process.

低泡精炼剂,具有优良的溶解、乳化油脂、蜡质、油污等性能。对化纤和化纤/拉架的除杂效果很好。对碱稳定,可用于煮炼及染色过程中。

DYAPOL ECO (得亚宝ECO)

A highly effective liquid reducing agent in an acid medium for the removal of unfixed disperse dyes on polyester, acrylic and cellulose acetate goods and their blends. No need to neutralize after reduction clearing, which saves significant time, energy and water.

酸性还原清洗剂,在酸性条件下,对分散染料染色后进行还原清洗,可以节省时间、能源及水等,从而提高生产效率。

ANTIMIGRANT CD (防泳移剂CD)

An anti-migrating agent for continuous dyeing with all dyestuff classes and minimizes build up on pad rollers. Helps to maintain bath stability throughout the fabric run and is highly effective even on difficult fabric/dyestuff/shade combinations.

连续染色用防泳移剂,适用于所有类别染料并极少存留在辊筒上。在织品运转过程中帮助保持染浴稳定,即使在染难染的织品,染料或色光组合时效果仍显著。

DYAMUL CDW (得亚美CDW)

A low foaming, alkali stable, rapid wetting agent suitable for all continuous processing including scouring, bleaching, wetting and dyeing processes.

低泡,耐碱的快速润湿剂。适用于所有的连续工序,包括清洗、漂洗、润湿和染色工序。

DYAMUL RCL (得亚美RCL)

A low foam dispersant and emulsifier with strong leveling properties, ideal for reduction clearing, stripping and leveling of polyester and acetate fibres dyed with disperse dyes.

是一低泡的具有分散、乳化及很强匀色性能的产品,非常适合于分散染料涤纶和醋酯纤维之还原清洗、剥色及修色的过程中。

DYAPOL HWF (得亚宝HWF)

An anti-reduction agent designed to minimize yield loss and to improve shade reproducibility on reduction sensitive disperse dyes

抗还原剂,在分散染料染色过程中提高得色率及染色的重现性,特别是对那些对还原性物质敏感分散效果更好。

OPTINOL MBF (阿天龙MBF)

A highly effective migration and leveling agent which is very suitable for high temperature dyeing of polyester and its blends, increases the yield of high molecular weight disperse dyes and penetration and leveling for the dyeing of polyester microfibre. 涤纶高效移染/匀染剂,提高大分子量分散染料染色的得色率,适合超细纤维的染色。

OPTINOL BTH (阿天龙BTH)

A non-foaming, odourless, environmental carrier and leveling agent for polyester dyeing and is highly effective in both atmospheric and high-pressure situations as a carrier and/or leveling agent. Can be used to dye polyester/elastane blends and gives a good reserve on wool and cotton in polyester/wool and polyester/cotton blends.

无泡无味之涤纶染色载体、匀染剂,可用于常压和高温高压染色过程中。能用于染涤纶/弹性纤维,并在涤纶/羊毛和涤纶/棉染色时给羊毛和棉很好的留白。