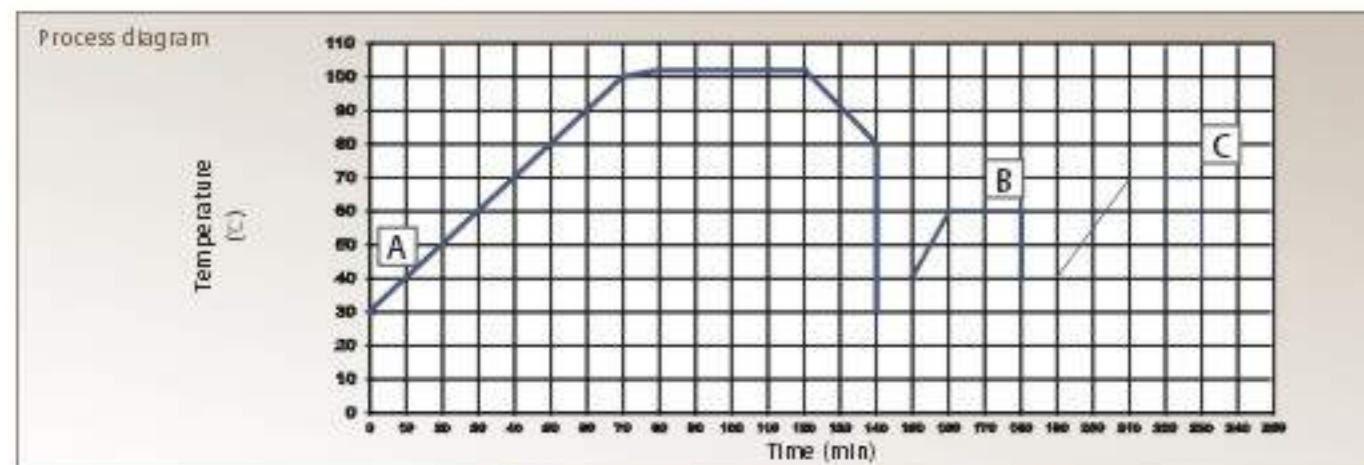


精练一浴染色流程 / PROCESS OF ONE BATH SCOURING AND DYEING



一般使用在含有弹性纤维的织物
Normally used on fabric goods containing elastomer.

Phase	Minute	Product/Operation	Quantity
	0	Material's loading	
A	10	SOLVIPOL ECL LAUGAL TP LAUCID IG- LAUCID BL Dyestuff Irayl	2.0 g/l 0.5 ~ 2.0 % 0.5 ~ 2.0g/l X%
B*	150	UGUAL Q	1.0 ~ 2.0g/l
C	190	LAUFIX PA pH 4	2.0 ~ 4.0 %

SOLVIPOL ECL 為一種使用在精练一浴染色中的特定产品，對纤维能達到優異的洗淨效果。SOLVIPOL ECL 不僅有很好的滲透性能，還具有優異的乳化、分散效果以及對油脂（甚至礦物質）、蠟、石蠟、脂肪的溶解性能。SOLVIPOL ECL 在 pH 值 2.0 至 13 之間有很好的穩定性。此種特質可使其應用在合成與天然纖維於不同處理條件中。在染色浴中，選擇好的均染劑和 pH 滑動劑是為了穩定最適化染程和求取最佳染色重現性。LAUGAL TP 是一種新概念的均染劑，當與 pH 滑動劑 LAUCID IG 和 LAUCID BL 一塊使用時能促進均染性及促使染料上色。進一步關於聚酰胺染色操作如下：1) 洗淨或皂洗。2) 固色劑應用。

聚酰胺和彈性纖維混紡織物之洗淨是必須的。應用 UGUAL Q 能強效洗淨纖維上未固着的染料。再者，因 UGUAL Q 具有強效分散力，也能避免染料在纖維上的殘留。皂洗後是固色處理，在此處理中應用 LAUFIX PA 能避免色調的改變和日光半度的變化。接著為後整理加工。

The use of specific products as SOLVIPOL ECL permits to obtain very good results cleaning the fabric and to rationalize the production cycle scouring and dyeing in the same bath. SOLVIPOL ECL has besides very good detergent properties also excellent emulsifying, dispersing and oil (even mineral), wax, paraffin, fat solubilizing properties. SOLVIPOL ECL is perfectly stable from 2 till 13 pH range. This quality permits its use in various conditions on synthetic and natural fibres. During the bath dyeing it is essential to select the right levelling and acid donor agent in order to optimize the dyeing cycle and to grant an uniform and reproducible dyeing. LAUGAL TP is a new-concept levelling agent when used together with our acid donor agents LAUCID IG and LAUCID BL encourages levelling and regular dyes exhaustion. Further to polyamide dyeing there are the following operations: 1) washing or soaping 2) fixing agent applications.

Washing of polyamide and elastomer blend is compulsory. Washing with UGUAL Q allows a deep cleaning of the fabric removing the non-fixed dye. Moreover, thanks to a strong dispersing power, it prevents the further deposit on the fabric. The operation following the washing is the fixing. In this phase the use of LAUFIX PA secures very good performances avoiding to affect the shade and the light fastness. The next operation is the finishing.

Heart and Technology

苏州市吴中经济开发区（河东工业园）善兴路 333 号
No.333, Shanying Road, Hedong Industrial Park,
Wuzhong Economic Development Zone, Suzhou, China
TEL: 0512-06981690 FAX: 0512-06981696
sales@3echemical.com



锦纶助剂系列 POLYAMIDE AUXILIARY

- Technology
- Quality
- Experience



For Textile Industry Service

引言

染色可以被定義為一種對纖維、染料、助劑、pH 值以及溫度的平衡過程，必須仔細挑選以及準確的監測。

我們的任務是提供助劑和染料的解決方案，以期最大限度地提交客戶產品的性價比。

基於我們長期的產品開發活動，以及與客戶的良好互動，我們改善了聚酰胺針織纖維的染整，使其達到最佳效果。

下文所述一浴精练染色流程來自於我們的經驗和現有技術知識。我們的建議是，將我們的產品應用在彈性纖維含量低於 5% 的面料上。

Introduction

Dyeing can be defined as a balanced process where fibre, chemical products, dyestuffs, pH and temperature should be exactly selected and carefully measured.

Our task is to advise auxiliaries and dyes permitting to obtain the best possible result in terms of quality and costs.

Thanks to the ongoing research and cooperation with our customers we could optimize and improve the dyeing bath of polyamide knitted fabrics.

The one bath scouring and dyeing cycle we are showing is the result of our experience and present knowledge. We advise to apply it on items whose elastomer content is not higher than 5%.

應用在聚酰胺纖維產品組合

Products for the application on polyamide

SOLVIPOL ECL	精练滲透劑 / Scouring detergent
LAUCID IG / LAUCID BL	pH 滑動劑 / Acid donors
LAUGAL TP	均染劑 / Levelling agent
UGUAL Q	皂洗劑 / Soaping agent
LAUFIX PA	固色劑 / Fixing agent
LAUFAST BHT	酚醌黃化防止劑 / Phenolic yellowing inhibitor