

SILIT-PUR5928

TECHNICAL DATA SHEET

Introduction

Wet fastness enhancer **SILIT-PUR5928** is a polyurethane polymer, which can improve the friction fastness of active, direct, vulcanized and vat dyes on cotton fiber, especially for dark blue, black, big red, emerald blue wet fastness improvement effect is remarkable. When bathed with silicone oil, the wet fastness improvement effect is good.

Properties

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| ➤ Appearance | Light yellow to yellow transparent liquid |
| ➤ pH value | 3.5 ~ 4.5(3% aqueous solution) |
| ➤ Ionic | Weak cationic |
| ➤ Solubility | Easy to dissolve |
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Characteristics

- It can significantly improve the color fastness of dark blue, black, big red, emerald blue cotton, CVC, T/C, T/R fabrics and denim.
 - It can be used in the same bath with silicone oil and soft oil to improve production efficiency, and the wet fastness improvement effect is good when bathing with silicone oil and soft oil, and a small sample test is required before using in the same bath.
 - The working fluid has good stability and generally does not need to be adjusted the pH value of the working fluid, easy to use.
 - It has little effect on the color, light and feel of the fabric. It has no obvious effect on fastness to washing and perspiration resistance.
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Applications

Improved friction fastness to reactive, direct, vulcanized, vat dyes and coatings for reactive, direct, vulcanized, vat dyes and paints for cotton and its blended fabrics. Improved friction fastness of T/C, CVC, T/R fabrics and denim.

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Usage and dosage

According to the type and concentration of dye used, the type, form and wet fastness requirements of the treated fabric, the dosage is referred to as follows:

Dip rolling method

Wet rubbing fastness enhancer **SILIT-PUR5928** 20 ~ 60 g/L after dyeing cloth (cloth pH controlled at pH 7) one dip and one rolling drying or shaping

Notes

- 1.It is recommended to use cold water for a working fluid water temperature not exceeding 40 °C. The higher the temperature, the worse the stability of the operating fluid;
 - 2.It is recommended to control the pH of the working fluid not higher than 5.0, if the pH is too high, the stability of the working fluid will be reduced, and flocculence may appear or precipitate;
 - 3.The fabric before fixing should be cleaned, and the pH of the cloth should be controlled at 7. The salts and alkalis remaining on the cloth surface after dyeing will affect the stability of the working fluid and the wet lifting effect;
 - 4.When treated with some active fixing agents, softeners, silicone oils, etc., it may lead to a decrease in the improvement of wet fastness, or the stability of the working fluid may deteriorate, and compatibility and sample tests must be carried out before use;
 - 5.During the storage of the product, the appearance color of the stock solution will gradually become darker (from light yellow to yellow-brown, and then gradually to brown, and the higher the ambient temperature, the faster the color change), and the viscosity of the stock solution will become slightly larger, these changes belong to the characteristics of the product and will not affect its application performance.
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Product stability

- 1.Thermal stability of stock solution: 50 °C * 7 days, stable.
- 2.The frost resistance stability of the stock solution: -5 °C * 30 days, stable.
- 3.Dilutable concentration range and product stability after dilution: can be arbitrarily diluted when used, less than 10% may be unstable. Thermal stability of diluted product: stable at 50°C.
- 4.Freeze resistance stability of diluted product: -5 °C stable.

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Package

125kg plastic drum.

Storage and shelf-life

When stored in the original unopened packaging at a temperature of between +2°C and +40°C, SILIT-PUR5928 can be used for up to 12 months after the date of manufacture marked on the packaging (DLU). Comply with storage instructions and the expiry date marked on the packaging. Past this date, SHANGHAI VANA BIOTECH no longer guarantees that the product meets the sales specifications.
