



SILIT-PR-RPU

TECHNICAL DATA SHEET

Introduction

SILIT-PR-RPU is a special type of thermal reactive polyurethane with a special structure, used for hydrophilic and soft finishing of natural fibers, regenerated cellulose fibers, and polyamide fiber fabrics. It gives the fabric a washable, full, soft, and elastic feel, as well as excellent wrinkle resistance and easy stain removal function, greatly improving the comfort of the fabric. It is a high-quality functional finishing agent.

Properties

- Appearance Colorless to slightly yellow transparent to slightly cloudy liquid
- pH value 7~9
- Ionicity Non ionic
- Solubility: can dissolve in water in any proportion

Characteristics

- Excellent washability and high-quality, premium feel.
- Excellent wrinkle resistance, improving the wrinkle recovery angle of fabrics.
- Good hydrophilicity, can be used as a moisture wicking agent for cotton, improving
- Rapid drying performance of cotton fabrics.
- Endow fabrics with good stain removal properties.
- Can be used in conjunction with conventional finishing agents.

Applications

Super elastic, soft, and moisture wicking finishing of cotton and nylon fabrics. Super soft finishing of nylon and its blended fabrics.

Usage

- Cotton and nylon fabrics are super elastic, soft, and moisture wicking

Multi functional finishing agent **SILIT-PR-RPU** 10 ~ 20 g/L

Two immersion and two rolling (with a residual rate of 75%) → pre drying → baking (165 ~175°C×50 sec

- Super soft finishing of nylon and its blended fabrics (application examples):

Step 1:

Multi functional finishing agent **SILIT-PR-RPU** 2-4% (o.w.f) bath ratio 1:10

40 × 20 minutes → dehydration → immersion rolling of silicone oil



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Two immersion and two rolling (with a residual rate of about 70%) → pre drying → baking (165~175) × 50 seconds.

Note

- This product may cause a decrease in the color fastness of polyester fabrics, therefore, polyester fabrics are not recommended;
 - The monomer of this product has a pungent odor, please note when using it control the dosage.
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Stability

- 1.The heat and freeze resistance stability of the original solution: stable.
 - 2.Dilution at any concentration: stable. Heat/Freeze Stability of Diluted Products: Heat resistant and stable. When the solid content is below 20%, freezing occurs below 0 , and it melts upon heating.
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Package

SILIT-PR-RPU is available in 120kg plastic drums.

Storage and shelf-life

This product is a thermally reactive resin, and should be stored away from direct sunlight and away from the heating element. Store in a cool and ventilated warehouse (5~35) with a storage period of one year. After opening the lid, it should be used up as soon as possible. Past this date, **SHANGHAIVANA BIOTECH** no longer guarantees that the product meets the sales specifications.