CHT
SMART CHEMISTRY
WITH CHARACTER.

PAFIX SBS

PA FIXING AND RESERVING AGENT

SAFE **B**ISPHENOL **S**

PAFIX SBS

AROMATIC SULPHONATES | ANIONIC | LIQUID

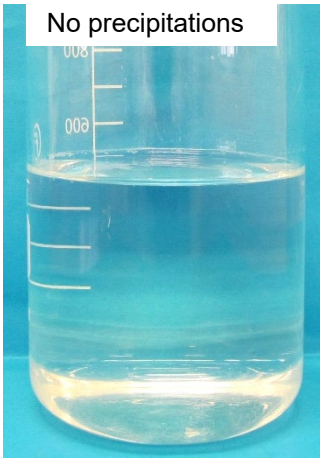
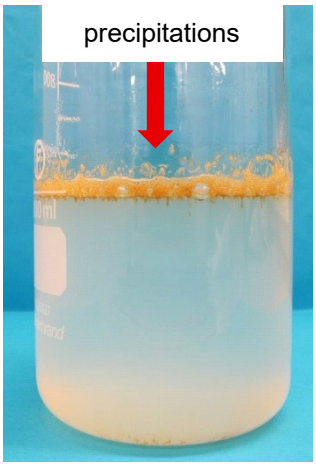
ANIONIC FIXING AGENT FOR FASTNESS IMPROVEMENT OF PA DYEINGS.
EXCELLENTLY SUITED FOR ONE-BATH DYEING/FIXING PROCESS SOLUTIONS.

- Recommended for all conventional shades
- Dosable
- Jet-stable
- Resistant to hard water
- Stable to acid
- Application amounts of 3-5% PAFIX SBS lead to a value of <100 ppm of Bisphenol S on fabric
- Wash fastness improvement
- Good contact fastnesses
- No light fastness deterioration
- Nylon blocker for WO/PA blends

PAFIX SBS help to reach high quality standards in respect of fastness and textile quality, whilst providing maximum process safety and reduced process costs (time savings).

Bath preparation

- Adjust pH to 3.5 with acid
- Heat up to 80°C
- Stir for 3 min at Ultra Turrax® with 19.000 rpm
- Cool down the bath to 40°C
- Check visually

Liquor 1 | pH3,5 PAFIX SBS	Liquor 2 | pH3,5 PAFIX SBS + **SARABID IPM**	Liquor 3 | pH3,5 Conv. syntan	Liquor 4 | pH3,5 Conv. syntan + **SARABID IPM**
			

PAFIX SBS PROCESS

Process:
1 bath - 2 steps
In the cooling dyebath

Suitable for all standard shades and all color strengths. Process can only be realized with a selected anionic leveler e.g. SARABID IPF/ IPM.

Unsuitable for this dyeing method are pure nonionic leveling agents which become (pseudo-) cationic in the acid pH range.

- Add at 80 °C
- 3.0 – 5.0 % PAFIX SBS
- Run for 5 min at 80 °C
- Check pH
- Dose x % MEROPAN KP (diluted)
- Adjust pH 4.0 – 5.0
- Treatment time: 20 - 30 min at 80 °C
- Rinse thoroughly warm and cold, finish.

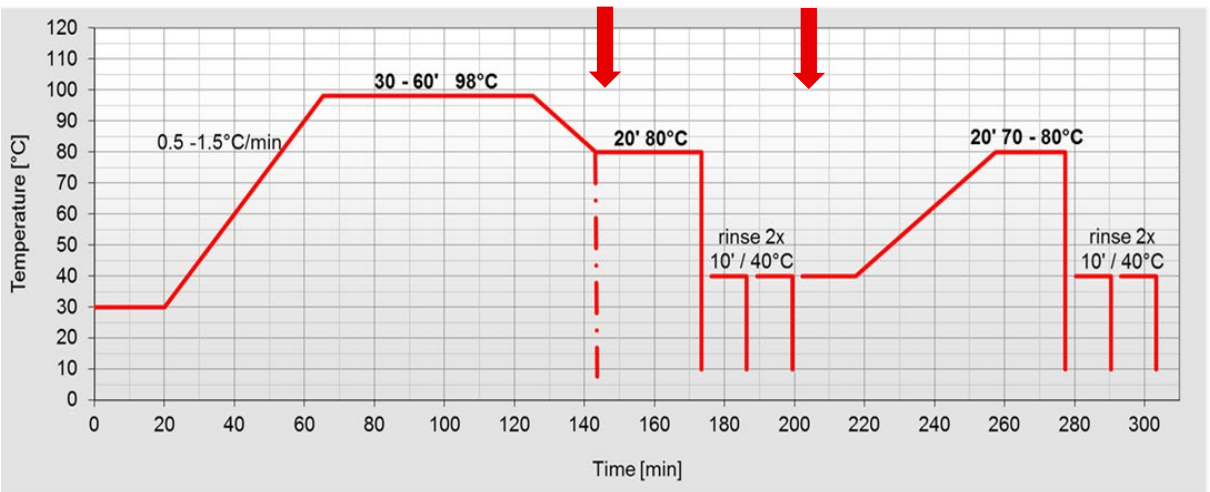
Process:
Classical dyeing process –
Separate after-treatment

With the classical procedure a very good fastness level with simultaneously high process reliability is achieved.

After dyeing, it is important to rinse thoroughly first in order to remove residues of nonionic/ pseudocationic leveling agents from the dyebath, as these may otherwise impair the later fastness properties.

- Add at 30 - 40 °C
- 3.0 – 5.0 % PAFIX SBS
- Run for 5 Min.
- Dose x % MEROPAN KP (diluted)
- Adjust pH 4.0 – 5.0
- Run for 5 min
- Heat up with 1.5 – 2.0 °C/min to 70 - 80 °C
- Treatment time: 15 - 20 min
- Rinse thoroughly warm and cold, finish.

1 bath – 2 steps **In the cooling dyebath**	**Classical dyeing –** **Separate fixing process**
Shorter process PAFIX SBS is added at the end of the dyeing in the cooling dyebath. Process can only be realized with a selected anionic leveler: SARABID IPF/IPM	**Long process** Separate fixation. Two bath fixation guarantees excellent fastness level. No chemical restriction for the levelling agent.
Reduced energy (no separate heating up). Less water consumption (2 rinsing bath less).	High energy and water consumption by heating the individual baths.
Good all-round fastness level.	Excellent fastness level.

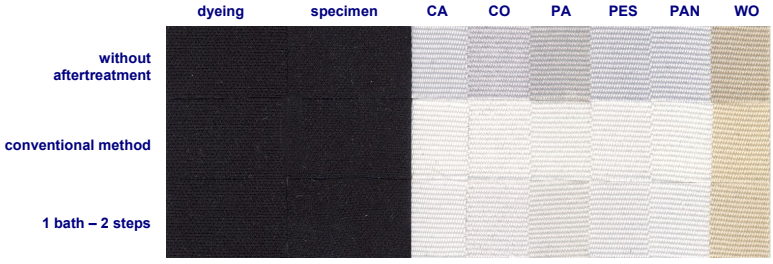


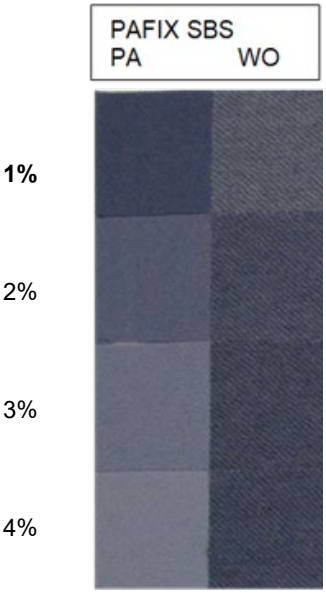
PAFIX SBS Fastness

5.0 % BEMAPLEX Black D-R (Acid Black 194) on PA /EL 80/20 – 4.0 % PAFIX SBS

Wash fastness 40 °C DIN EN ISO 105-C06-A1S

Perspiration fastness alkaline DIN EN ISO 105-E04





Blocking of polyamide fibers when dying fiber blends made of polyamide and wool

When dyeing light-coloured to medium shades with 1: 2 metal complex or acid dyes, PAFIX SBS gives good tone-in-tone effects.
The dosage depends on the mixing ratio, the dye quantity as well as the dyeing conditions. PAFIX SBS is added to the dyebath.

Application quantity: 1.0 - 4.0 % PAFIX SBS

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