

Dispersing, levelling and buffering agent of PES and blends for rapid dyeing process

PROPERTIES :

- It is a innovative combination material in polyester dyeing process, for sustainable process, energy, water and time saving
- In one bath process include pre-washing, dyeing and reduction cleaning
- For fast dyeing of polyester, even at heating rates up to 5°C/min. and has a innovative structure that accelerates migration.
- Prevents filtration of dyes
- Stabilises dye dispersions under HT dyeing conditions
- Can be used for level dyeing of PES and blends
- Compensates the negative impact of non-ionic auxiliaries (e.g. Carriers) in the process
- GGPES has buffering properties to prevent stain and uneven penetration because of pH changes
- Suitable for jet application
- Stable to acids, alkalis, salt and hard water
- Shows good stability to high concentrations of electrolyte, therefore suitable for one-bath dyeing process of CO/PES blends
- Suitable for automotive fabrics.
- It allows pretreatment and dyeing to be done in the same bath.
- Removes knit and woven oils, foreign waxy and oily structures and prevents it from returning to the fabric again



In polyester dyeing, disperse dyes are usually heated as slowly as possible to ensure stable absorption and uniform dyeing of goods. Normally, Polyester is heated up to 80°C at 2 -3°C/minute, and then dyed to HT temperature at low heating rates of just 1°C/min.

GGPES is a highly effective leveling and dispersing combination material specially developed for rapid dyeing of polyester. It increases the movement of the dyestuff into the fiber.

It saves 20-30 minutes of time and water as it does not require pre-washing.

Although it is especially used in jet machines, it is also suitable for other machine types.

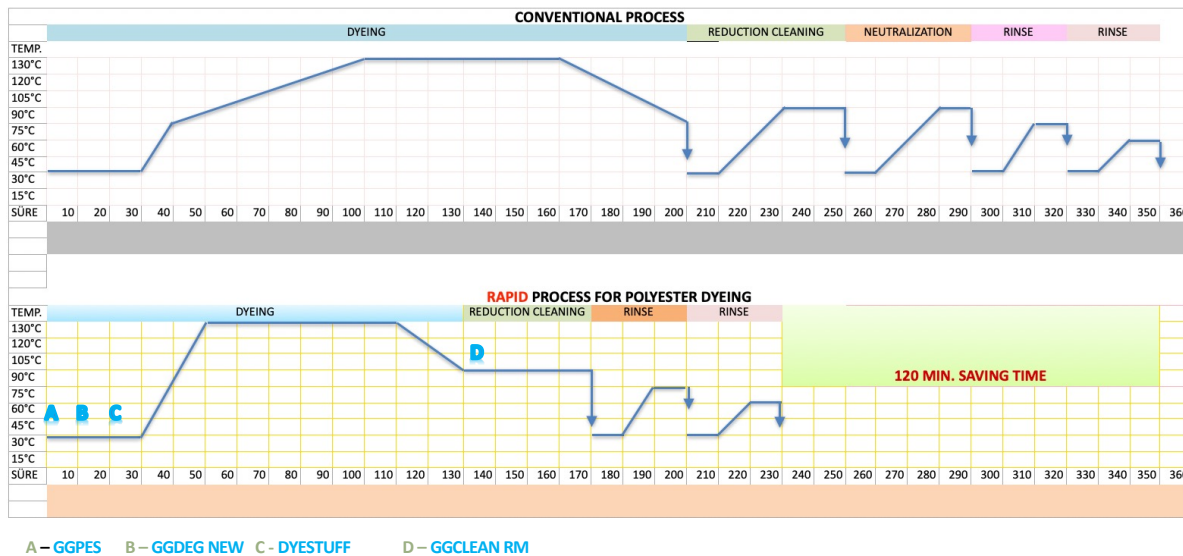
GGPES allows pre-washing, dyeing and reductive washing to be done in the same bathroom. It is a sustainable method that saves Energy, Water, Time and Cost with the single-bath dyeing method.

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APPLICATION :

The dyeing processes of polyester fabrics are the processes has the most inputs. Advantages of rapid production;

50% less water
26% less labor
40% less energy
50% less waste water
35% less time
30% Capacity Increase

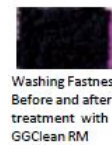


GGCleanRM is acidic reductive washing agent is used for dispers, reactive and acid dyed fabrics.

High washing and dissolving effect on all substances to be removed
Excellent cleaning effect through distinct dispersing and soil suspending properties

Increases the washing fastness especially in dark shades.

It can be removed the stains causes from dyeing polyester mixed fabrics in the reductive washing bath.



Storage :

The product sensitive to frost and heat and must not be stored at temperature below 0°C or above 40°C . Irreparable damage is possible. In case of suspected frost or heat damage , the usability of the product has to be checked before processing.

Attention :

The above recommendations are based on comprehensive studies and experience made in practical finishing. They are, however, without liability regarding property rights of third parties and foreign laws. The user should test for himself whether the product and the application are suited for his very special purposes. We are, above all, not liable for fields and methods of application which have not been put down by us in writing. Advice for marking regulations and protective measures can be taken from the respective safety data sheet.

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