



110°C~130°C Low temperature curing type fluorine-free water repellent agent NF-380LT

Most of the fluorine-free water repellent agents are acrylic or polyurethane based, which are mainly cured at 150°C~170°C.

In view of environmental protection and energy saving and emission reduction, Gracess team specially developed this low temperature curing acrylic acid-based fluorine-free water repellent agent NF-380LT.

NF-380LT can be cured at 110°C~130°C and has excellent water repellent effect on synthetic fiber and cotton fabrics. It can also be applied to yarn fabrics and garment products. It has a wide range of applications.

Physical properties

- Appearance: Milky white to pale yellow emulsion
- Composition: Acrylic polymers
- Solid content: 20+1.5%
- pH value: 2.0~5.0
- Ionic character: Weak cationic
- Solubility: Soluble in water
- Stability: Very stable

Characteristics / Features

- Suitable for low temperature 110°C~130°C at setting process.
- No PFOA. No PFOS. No APEO.
- Suitable for all kinds of fabrics. Natural fiber (wool, silk, cotton), polyester-cotton blend, Nylon-cotton blend, synthetic fiber (polyester, nylon) and other textile fabrics
- The influence on color fastness and color shade is ultra-low.
- Soft touch, less resin mark, low yellowing.

Application

- The general dosage is 50g/L ~80g/L. A lower temperature requires for a higher dosage.
- For increasing the fastness to washing, using the crosslinker is recommended.
As for the synthetic fibers, crosslinker is recommended to use CD-F26.
As for the cotton fibers, crosslinker is recommended to use CD-F20.
If you need the detailed information of crosslinker, please contact with our team.
- Please adjust the dosage accordingly.

Package

- 120Kg / drum ; 1000kg / bulk.

Store well sealed and away from light. Shelf life is 12 months at 0-40°C.

LIMITED WARRANTY INFORMATION - PLEASE READ BEFORE ANY APPLICATION:

- The data presented in this brochure are in accordance with the present state of our knowledge but do not absolve the user from carefully checking all supplies immediately on receipt.
- We reserve the right to alter product constants within the scope of technical progress or new developments.
- The recommendations made in this brochure should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used.
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