

F010

Hook and Loop Fastener Stiffening Emulsion

Product Description

F010 is a modified water-based acrylic series emulsion specifically developed for the shaping, sizing, and finishing of hook and loop fasteners (nylon velcros), decorative fabrics, spray-bonded nonwovens, and sofa fabrics. It imparts a rigid, stiff hand feel and is highly user-friendly, requiring only simple dilution with water to be fully ready for production. The emulsion delivers high hydrostatic pressure resistance alongside outstanding fastness. Customers can optionally combine it with a curing agent depending on the desired hand feel characteristics.

Applications

- Shaping, sizing, and finishing of hook and loop fasteners (nylon velcros).
- Finishing of decorative fabrics and sofa fabrics.
- Sizing of spray-bonded nonwovens / cotton waddings.

Technical Specifications

Properties	Value
Appearance	Slightly blue, semi-transparent liquid
Solid Content	40 ± 1%
Viscosity	500 - 2000 cps
pH Value	3.0 - 5.0

Glass Transition Temperature (Tg)	41 °C
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Application Notes

- If curing agent F020 is introduced during processing, the mixture must be used immediately. Prepare the blend fresh and on-demand to prevent pre-curing issues caused by prolonged standing.
- The precise dosage of curing agent F020 should be determined based on the targeted hand feel requirements of the finished article. The recommended dosage is 2% to 5% based on total emulsion weight.

Storage Conditions

The product should be stored inside tightly sealed containers. Protect the emulsion from freezing and exposure to high temperatures. The recommended normal storage temperature ranges between 10°C and 35°C. The effective shelf life is six months from the date of packaging.

Disclaimer

The information provided above is for reference purposes only and does not constitute any legal warranty, guarantee, or representation by our company. When applying this data, customers are advised to establish and execute their own production methods and comprehensive quality control testing protocols to ensure product consistency, fitness, and overall quality.