

## Product Description – Polymer Emulsions

### **KEMILINE<sup>®</sup> NW 145 NEW**

Extremely hard styrene / acrylic binder for non-woven and fiber coatings.

Field: Textile non-woven, coatings & lamination

- Properties
- Extremely hard touch.
  - Excellent fiber bonding property.
  - High solids content.
  - Self cross-linking.

Chemical nature: Thermally cross- linkable, styrene / acrylic emulsion

Technical Data	Appearance	: Low viscous, opaque liquid.
	Solid content	: 49 – 51 % (1 g, 30 min at 150 °C)
	pH value	: 7,5 – 9,0 (at 20 °C)
	Viscosity	: Max.1000 cps (B. F., 5sp/100rpm at 20 °C)
	*T <sub>g</sub> / *MFFT	: 30 °C / 26 °C
	Packaging	:120 kg PE drums / 160 kg PE drums 1000 kg IBC containers
	Shelf life	: 12 months at 5 - 35 °C.
	Frost	: Store under frost-free conditions.
	Safety	: No special precautions.

*(\*): These are typical properties of the emulsions and should not be considered as specifications. Certificates of the analysis (COA) are available upon request.*

Application: KEMILINE<sup>®</sup> NW 145 NEW may be blended with other KEMILINE brands for various touches. Kemiline TA 332 is recommended as thickener.

KEMILINE<sup>®</sup> NW 145 NEW can be used up to 500g/kg (50%).

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Important issues on storage and use of the product:

- Shelf life of the product is 12 months from the production date, printed on the label and indicated in certificates of analysis, as long as kept between 5-35 °C and away from direct sunlight and freezing conditions.
- Product needs to be kept in hygienic conditions to be away from microbiological attacks, although has certain biocides in the formulation. Addition of extra biocides may be required depending on the conditions of the site such as high storage temperatures, long storage durations and suspects of infection of the product during handling.
- Bulk storage tanks need to be inspected and cleaned up from time to time depending on the conditions.
- Metal parts suspected to corrode should not be allowed to come into direct contact with this product during storage and use.
- It is recommended to keep storage tanks, IBCs and drums tightly closed, avoiding loss of moisture and keeping the headspace saturated with water vapor to eliminate formation of films at top and keeping the product away from microbiological attacks.
- Packed material in IBCs and drums is recommended to be stirred prior to use.
- Product may tend to give lumps and skins due to its film forming nature. Straining through a coarse filter is recommended prior to use for this reason.
- Product should be handled in compliance with usual safety measures. Material safety data sheets should be examined, prior to use the product. Personal protective equipment such as gloves and goggles are recommended to be used when handling the product.

*Please contact our distributors, agents and sales representatives for further information and assistance.*

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