



PROX[®]-AMINE NE 9198 HL

VOC free, FDA/BfR approved, concentrated at 100%, hydrophilic Softener for tissue and paper, to provide smooth handle.

PROX[®]-AMINE NE 9198 HL imparts smooth handle, excellent surface softness and high bulk to the tissue paper.

PROX[®]-AMINE NE 9198 HL provides :

- ✓ Good hydrophilicity,
 - ✓ Small reduction on tensile strength,
 - ✓ Little yellowing when exposed to high temperature process.
- ➔ A liquid emulsion insures versatile and easy application possibilities.



Illustration

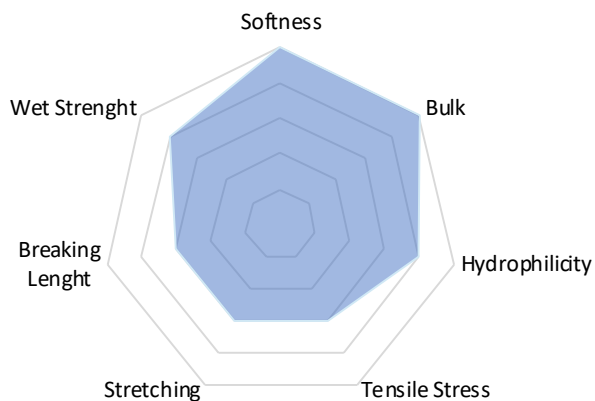
Typical performance obtained with PROX[®]-AMINE NE 9198 HL in a standard application on tissue paper:

Key Parameters : PM Speed = 1750 m/min ; PROX AMINE NE 9198 HL dosage = 500 ppm

| Properties Products | TSA | Paper g/m ² | BULK mm | STRETCH % | BREAKING LENGHT Long. Kg | BREAK. LENGHT Trans. Kg | B.L. WET Long. Kg | B.L. WET Trans. Kg |
|--------------------------|-----|---------------------------|------------|--------------|-----------------------------------|----------------------------------|----------------------------|-----------------------------|
| Without | 68 | 15,8 | 0,87 | 21,4 | 13,3 | 6,6 | 2,0 | 1,1 |
| Reference | 78 | 15,8 | 0,89 | 21,2 | 12,5 | 6,0 | 2,0 | 1,0 |
| PROX [®] -AMINE | 78 | 15,4 | 0,95 | 23,8 | 11,4 | 6,0 | 2,1 | 1,2 |
| PROX [®] -AMINE | 79 | 15,3 | 0,94 | 23,5 | 11,2 | 5,7 | 2,0 | 1,1 |
| PROX [®] -AMINE | 80 | 15,4 | 1,12 | 23,0 | 10,0 | 5,0 | 2,2 | 1,0 |
| PROX [®] -AMINE | 79 | 15,3 | 1,12 | 21,0 | 10,0 | 6,0 | 2,0 | 1,0 |
| PROX [®] -AMINE | 82 | 15,4 | 1,16 | 19,8 | 10,0 | 5,5 | 2,0 | 0,95 |

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| | |
|-------------------------|--------------------------------------------------------------|
| Product dry content | 100% |
| Product viscosity | < 200 mPa.s |
| pH | 3.5 ± 1 |
| Polarity | Non-ionic |
| Food contact regulation | BfR XXXVI and XXXVI/2 FDA 176.170 / 176.180 |
| Appearance | Clear liquid |
| Colour | Yellow Brown |
| Storage Stability | 2 years when properly stored in closed original drum at 20°C |

PROX[®]-AMINE NE 9198 HL is a high-performance softener for tissue paper and paperboard with little adverse influence on mechanical properties.

PROX[®]-AMINE NE 9198 HL : Key Facts

- **PROX[®]-AMINE NE 9198 HL** provides :
 - Excellent softness,
 - Significant increase of the bulk,
 - High Hydrophilicity.
- **PROX[®]-AMINE NE 9198 HL** has little affect on the mechanical properties, both dry and wet.
- **PROX[®]-AMINE NE 9198 HL** is compliant with :
 - American food contact FDA 176.170 & 176.180,
 - Recommendations of BfR XXXVI and BfR XXXVI/2,
 - the main ecological labeling.
- **PROX[®]-AMINE NE 9198 HL** is 100% concentrated with a low viscosity, which allows for an optimal application.

High softness
properties

No influence on
Yankee release

High
hydrophilicity

PROX[®]-AMINE NE 9198 HL

Low impact on
mechanical properties

Bulk increase

Smooth
handle

SYNTHRON

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