

VINNAPAS® EF 3101 VAE BINDER FOR ROTOGRAVURE PAPER COATINGS

WACKER, a leading producer of state-of-the-art vinyl acetate-ethylene (VAE) binders, has developed a new VAE dispersion that demonstrates outstanding performance in paper coating applications.

VINNAPAS® EF 3101 – For High-Performance Rotogravure Paper Coatings

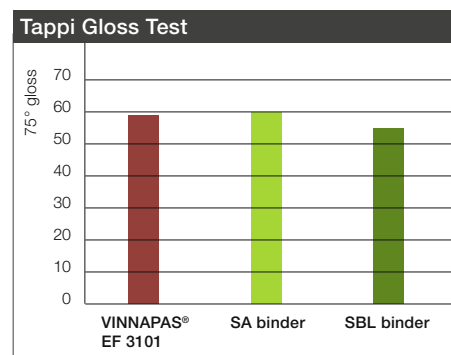
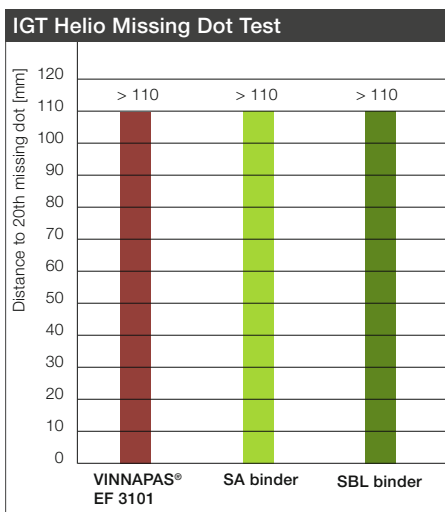
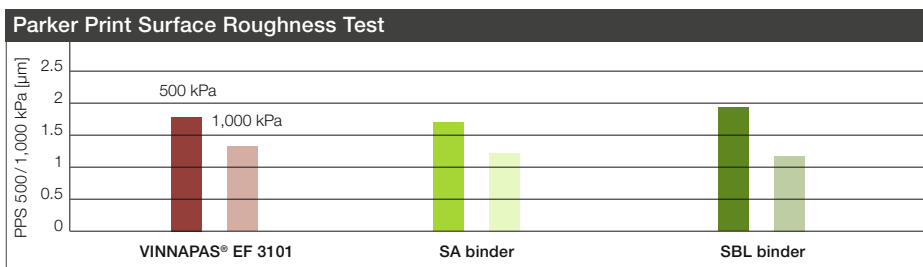
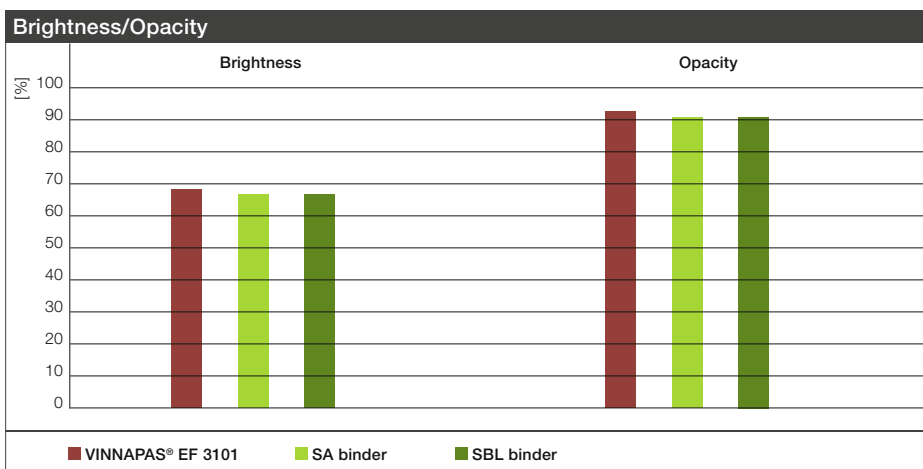
Thanks to innovative polymer modifications, VINNAPAS® EF 3101 is a new binder based on vinyl acetate-ethylene copolymers (VAE), specially developed to offer performance properties that were previously only possible with alternative systems. VINNAPAS® EF 3101 formulates well and exhibits good runnability. Coatings produced with VINNAPAS® EF 3101 provide good calendered sheet gloss, high brightness and opacity, as well as excellent printability. Plus, this binder is manufactured without the use of alkylphenol ethoxylate (APEO) surfactants or defoamers.

Typical Properties of VINNAPAS® EF 3101

Solids [wt. %]	55
Viscosity [cPs]	200–850
pH	4.0–5.0
Particle size [nm]	200–300
T _g [°C]	0

Main Properties of VINNAPAS® EF 3101

- Good rheology on all types of coating applicators
- Excellent brightness, gloss and opacity
- Excellent printability and IGT Helio Missing Dot performance
- High degree of smoothness and compressibility for rotogravure printing
- Compliance with EU Ecolabel regulations





Leading in VAE Dispersions

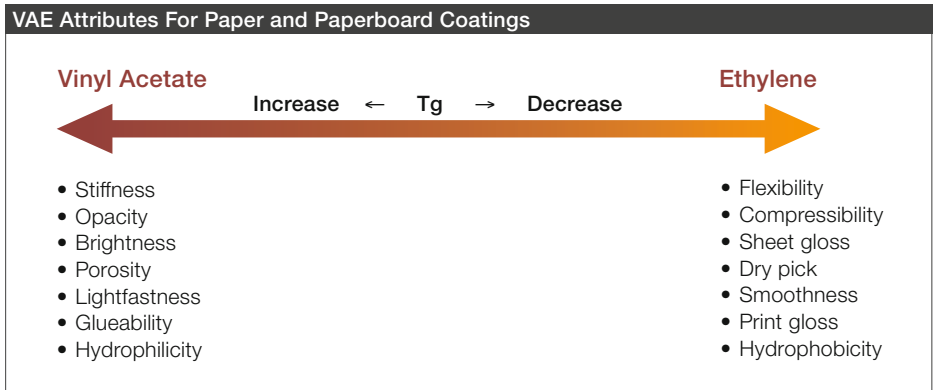
WACKER scientists started researching polymer binders back in the 1920s. From 1960 onwards, they set out to develop copolymer dispersions based on vinyl acetate and ethylene. Today, we are the world's leading producer of VAE dispersions, with production facilities in Europe, Asia, and North America. Our portfolio of specialty dispersions for use in paper and paperboard applications is characterized by high quality, versatility and cost-effectiveness.

Benefit from Extensive Applications, Support...

Our long-standing hands-on expertise, combined with the latest advances in polymer technology, enable us to match the best dispersion to your own particular needs. We provide customized technical solutions for your requirements.

...and Comprehensive Technical Service

At our paper applications' laboratories in Burghausen (Germany) and Allentown (USA), we use state-of-the-art analytical equipment. Our capabilities include IR spectroscopy, particle-size and rheology measurements, dynamic mechanical analysis, and various chromatographic and thermal analyses. Our experienced technical staff also provides on-site customer service, new product introductions, mill-trial support, information exchange and troubleshooting.



The new VINNAPAS® EF 3101 is an ideal binder for high-quality coated paper for rotogravure printing.



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