PRIMIS® SAF 9600

Dispersion for Barrier Coatings on Paper

In PRIMIS® SAF 9600, WACKER is introducing a binder specifically designed to meet the requirements of barrier coatings on paper.
Free of polyethylene (PE) and fluorocarbons, this product provides superior performance, such as heat sealability, water resistance with strong anti-blocking properties, and good oil and grease resistance upon suitable formulation.

A Versatile "One-Coat-Fits-All" Product

PRIMIS® SAF 9600 allows customers to avoid the hassle of applying multiple coats, since suitable formulations provide heat sealability and excellent resistance to water, oil and grease in a single coat.

Your Gateway to Formulating Polyethylene-Free Barrier Coatings

This dispersion is readily compatible with various systems and can be formulated with waxes and other additives, as needed.
PRIMIS® SAF 9600 also enables a very broad range of viscosities with high stability to sedimentation, due to a higher solids content and optimal product viscosity.

Suitable for Food Packaging

PRIMIS® SAF 9600 complies with FDA indirect food additive applications# as described in 21CFR 175.105, 176.170 & 176.180.

Environment, Health & Safety

PRIMIS® SAF 9600 does not interfere with paper and paperboard recycling and so high fiber recovery is possible during the repulping process.

Technical data

Specifications

Property	Condition	Value	Method
Solids content	-	41-43 %	DIN EN ISO 3251
Viscosity, dynamic	Brookfield, spindle 1/20 rpm	50-500 mPa s	DIN EN ISO 2555
pH	-	6.5-7.5	DIN/ISO 976

General Characteristics

Property	Condition	Value	Method
Minimum film-forming temperature	-	Approx. 13 °C	DIN ISO 2115
Protective colloid/ emulsifier system	-	Surface active emulsifiers	DIN EN ISO 2555
Appearance of the dispersion film	-	Glossy	Visual
Glass transition temperature	-	Approx. 23 °C	Specific method
Predominant particle size	-	Approx. 70 nm	Specific method

These figures are only intended as a guide and should not be used in preparing specifications.

WACKER

CREATING TOMORROW'S SOLUTIONS

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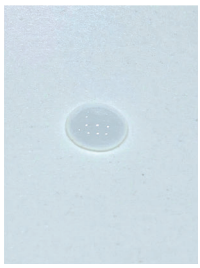
Functional Properties of PRIMIS® SAF 9600

Water Resistance



Lower Cobb value on coated paper

Oil & Grease Resistance

No smudging on coated paper

Heat Sealability

Coated to coated / uncoated

PRIMIS® SAF 9600 exhibits excellent heat sealability, good water resistance and oil & grease resistance upon suitable formulation.

Advantages of PRIMIS® SAF 9600

- Free of polyethylene (PE)
- Excellent adhesion on paper substrates
- Water resistance*
- Blocking resistance*
- Oil and grease resistance*
- Food-contact compliant#
  (21 CFR 175.105, 176.170 & 176.180)
- Formulation versatility
- Repulpable coating

***Upon suitable formulation**

Repulpability of PRIMIS® SAF 9600 coated paper

PRIMIS® SAF 9600 does not interfere with paper and paperboard recycling; this enables high rates of fiber recovery and allows consumers to contribute to a circular economy.

#For questions concerning food contact status, please feel free to contact us.

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