

Joncryl® HPB 4012

Product description

A styrene-acrylic dispersion, to achieve highly water resistant, heat sealable coatings for replacing extruded wax or polyethylene coatings on paper substrates for cups, boxes, and other types of food packaging.

Key benefits

- Excellent water resistance and low Cobb
- Heat sealable
- Low odor
- Enables repulping and recycling
- Broad global compliance for food contact applications

Chemical nature

Styrene-acrylic dispersion

Properties

Physical form translucent emulsion

Technical data

(should not be interpreted as specifications)

Solid content	40.0 – 42.0 %
Molecular weight (wt. av.)	> 200,000
Viscosity, dynamic	Brookfield (25 °C)
pH value	(25 °C)
Acid value (on solids)	36
Density	(25 °C)
Minimum film-forming temperature (MFPT)	< 5
freeze/thaw-stable	yes

Application

Joncrys® HPB 4012 is a low odor, film-forming, water resistant, heat sealable binder, designed for formulating single- or two-layer systems to achieve optimal water resistance, heat-sealability and bond strength at elevated service temperatures.

Joncrys® HPB 4012 is developed for replacing extruded wax or polyethylene coatings on paper substrates. It is recommended for applications like cups, boxes and other food paper packaging applications.

Joncrys® HPB 4012 could be applied with paper coating (rod/blade/curtain) and paper converting (flexo/gravure) technologies.

Safety

When handling this product, please comply with the advice and information given in the safety data sheet and observe protective and workplace hygiene measures adequate for handling chemicals.

Note

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights, etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. The agreed contractual quality of the product results exclusively from the statements made in the product specification. It is the responsibility of the recipient of our product to ensure that any proprietary rights and existing laws and legislation are observed.

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