



Suitable application for liquid barrier coating based on Joncryl® HPB 4010-E

## Water-based barrier coatings for sustainable packaging solutions

Recommended for low COBB, grease barrier and moisture vapour barrier applications

### Performance

- May be formulated into water-based barrier coatings with similar properties as extruded PE
- Heat-sealable, block-resistant, liquid barrier with food contact approval for paperboard packaging

### Sustainability

- Water-based technology
- Confirmed repulpable by in-house laboratory testing
- Offering lower plastic content
- Replace fluor carbon treated paper

 **BASF**

We create chemistry

# Joncryl® HPB product line

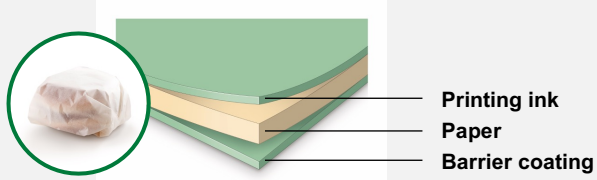
## High Performance (liquid) Barrier coatings for paper(board) packaging solutions

BASF's Joncryl® HPB technology provides water-based polymers for use in coatings for functionalized paper(board) packaging applications. These food contact approved systems provide water, grease barrier and heat sealability properties similar to current PE extrusion coating layers.

### Enables sustainable paper packaging with barrier and seal:

- Good barrier and heat seal properties, while still repulpable
- Flexibility in application methods (e.g. rod coater, gravure)
- Kit test results: >12

**System for barrier paper(board) materials**



**Broad range of applications:** service food, confectionery, snack and dry food pouches

	Products*	Key properties	Application
PE Replacement/liquid barrier	Joncryl® HPB 4011	excellent water barrier, heat sealable	Boxes and other food packaging applications
	Joncryl® HPB 4010-E	Low odor, excellent water barrier, heat sealable	hot and cold cups, boxes and other food packaging applications
	Joncryl® HPB 1631/1633	low MVTR and good blocking resistance	Paper bags and pouches for dry food, boxes for deepfreeze food applications
MVTR	Joncryl® HPB 1634/1635	low MVTR and good blocking resistance	Paper bags and pouches suitable for dry and fatty food packaging applications, partly based on renewable resources
	Joncryl® HPB 1632	mineral oil and oxygen barrier, renewable content	Pouches and boxes for dry food applications
Grease and oil barrier	Joncryl® HPB 1700	Improved flexibility and toughness	water-based <b>primer</b> to be used in combination with Joncryl® HPB 1701
	Joncryl® HPB 1701	good creasing and folding resistance, heat sealable	water-based <b>binder</b> for excellent grease barrier coatings on paper/paperboard based materials

\* Specific food contact statements are available on request

## Contacts

**Asia**  
China  
Phone: +852 2731-0111  
dispersions-pigments-asia@basf.com

**Europe, Africa, West Asia**  
Netherlands  
Phone: +31 513 619-619  
resins@basf.com

**South America**  
Brazil  
Phone: +55 11 2039-2300  
packaging-sa@basf.com

**North America**  
USA  
Phone: +1 800 231-7868  
dpsolutions@basf.com

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 products to ensure that any proprietary rights and existing laws and legislation are observed. When handling these products, advice and information given in the safety data sheet must be complied with. Further, protective and workplace hygiene measures adequate for handling chemicals must be observed. (10/2021)