Water/Oil Resistant Heat Seal Lacquer

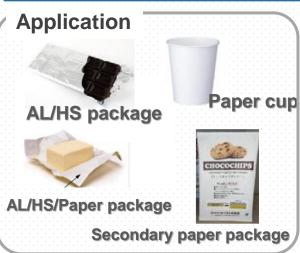


CHEMIPEARLTM

Water/Oil resistant & Sealable

Sustainable material management is a critical task we face today. Chemipearl™ is a water-based, sustainable coating which can be applied to paper, ensuring the paper remains fully recyclable. Ideal for food packaging, Chemipearl™ offers heat-sealability, water resistance, and oil resistance, while uses less plastic than conventionally laminated paper.

CHEMIPEARL™ for food packaging



- ✓ Gives excellent heat seal performance and water/oil resistance to AL/paper
- Low blocking risk and low coefficient of friction
- ✓ Non-chlorine-based polymer (Polyolefin)
- ✓ Coated paper can be claimed for
 - Compliance with EN13430
 - OK compost Industrial
- ✓ Low carbon foot-print (-40% compared to PE laminated paper)

Repulpability of CHEMIPEARL™ coated paper

CHEMIPEARL™ coated paper shows excellent repulpability. In contrast: PE film from laminated paper is entangled and pulp is not disaggregated.

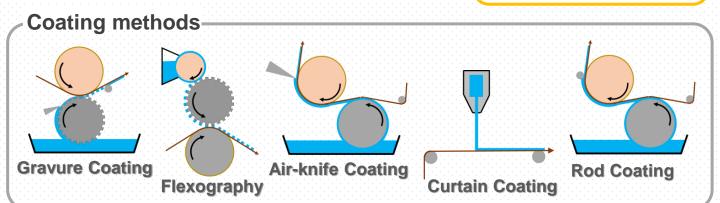




PE laminated on 390 gsm paper



CHEMIPEARL™
6 gsm coated on 390 gsm paper



Water/Oil Resistant Heat Seal Lacquer



CHEMIPEARLTM

Water/Oil resistant & Sealable

Grade	S300	S500NW		
Appearance	Milky white	Milky white		
Solid content (wt. %)	35	42		
Viscosity (mPa·s)	400	150		
Ave. particle size (μm)	0.5	0.7		
рН	10	9.5		
MFT (°C)	65	55		
Characteristics	Low blocking /COF	Low film forming temp.		

MFT; Minimum Film Forming Temperature

Food contact regulation listed status ... Listed. x: Not listed

V. Elotod, V. Hot liotod										
Grade	USA				China					
	§175. §175.	§176.	§176.	EU	GB9685-2016		GB4806.10-			
	105	300	170	180		A2	A5	2016		
S300	~	~	✓	~	V	~	~	✓		
\$500NW	/	/	~	/	/	~	×	✓		

[Remark]

This document is based on materials, information, and data available as of October 2023, and made without any EU: Regulation(EU) 10/2011 warranty, either expressed or implied.

[Laws and regulations covered]

USA: Code of Federal Regulations Title 21

China: GB9685-2016 A2, A5, GB4806.10-2016

FAQ

What is the solid content?

27%-42% dispersed in water.

What is the coating weight?

3-6gsm is enough. (One to Two passes)

What is the drying temperature?

90-120°C is recommended, depending on the

How to coat?

Gravure coating / Flexo coating / Curtain coating, etc.

How to store?

Store between 5-40°C. Avoid direct sunlight.

Food contact conformity?

Please ask to contacts given below for detail.

-Contact detail-

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