

# BOPP ANTIBACTERIAL GLOSS THERMAL FILM



## PRODUCT DESCRIPTION

The product is a bright, transparent BOPP thermal film with good toughness. This product can accept surface printing, hot stamping, UV spots and a series of subsequent processing. In addition, the biggest highlight of this product is its antibacterial and bactericidal effect, good temperature resistance, excellent broad-spectrum antibacterial effect against bacteria, fungi, etc., especially for Escherichia coli and Staphylococcus aureus, It has more than 99% antibacterial effect.

The product has no peculiar smell and conforms to ROHs test requirements. It can be used in special fields with antibacterial requirements and play antibacterial protection role.

## PRODUCT FEATURE

- It has over 99% antibacterial effect on Escherichia coli and Staphylococcus aureus, and the effect lasts for a long time.
- Accept surface printing, hot stamping, UV spots.

## PROPERTIES

ITEM	VALUE	TEST METHODS
Thickness (μm)	25	GB/T6672
Yield (m <sup>2</sup> /kg)	47.2±3	--
Surface tension mN/m		
Outside	≥36(both sides treatment)	ASTM D 2578
Inside	≥40	
Gloss (45°) , %	≥50	ASTM D 2457
C.O.F film/film	≤0.4	ASTM D 1894
Heat Shrinkage		
MD	≤3.5	ASTM D 1204
TD	≤2.0	(5min@ 120 C)
Haze (%)	≤5	ASTM D 1003

## || STORAGE

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1. Store in a cool and ventilated place with indoor temperature of 5~35 °C and humidity of 30~60%. Keep away from heat source, avoid exposure to sunlight and rain.
2. Handle with care to prevent bump against the end face and roll face.
3. In winter, it is recommended to put it on a wooden tray and let it stand for 24h at room temperature before use, so as to avoid using the film under the condition of large temperature difference.

## || APPLICATION RANGE

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Hospital & hotel communication material and packaging, children's books, restaurants menus ,personal care products and other fields of printed materials laminating or packaging.

## || APPLICATION TECHNOLOGY

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Laminating equipment: thermal laminating machine

Temperature : 95-120 °C      Pressure : 8-18MPa      Speed : 10-70m/min

Adjust the processing parameter according to the production job requirement.

## || SHELF LIFE

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6 months.

The film is not food contact approved or regulated.

The Values given in the technical data sheet represent typical values based on the best of our knowledge as on date when the data was compiled. It is offered solely to provide possible suggestions for your own experimentation and not as a guarantee for the material supplied. The user is solely responsible for the end use of the product and needs to perform their own tests to confirm the product suitability / compatibility in all respects. KDX gives no warranty or accept liability for any loss and fitness of the product for any specific purpose. KDX reserves the right to change the technical data sheet at any time for enhancing the quality of the products without prior information regarding use and we disclaim liability for any loss or damage that may occur from the use of this information.



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