

25μm BOPP Gloss Thermal Laminating Film

Product Description

It is a BOPP based product with excellent transparency and high gloss which improve the color saturation. The product is a non-toxic and environmentally friendly, low level of static, consistent corona treatment, excellent resistance to tear & elongation, primarily used in the printing industry.

Features and Benefits

1. Environmental safety: This product is non-toxic, tasteless, non-benzene. Do not produce any gases or dangerous substances during the lamination process, without the use of solvents.
2. Excellent performance: Enhance the printing color saturation and brightness, strong adhesive bond strength, good offset spray coverage. Good initial green tack allows post finishing activities to take place after lamination based upon drying time of the inks.
3. High efficiency energy-saving: Constant adhesive layer enable a quick turnaround of the job, quicker set up time, lower energy consumption, less waste and ease of process.

Application

1. Books cover such as: Paper bags, hard bound books, magazines, flyers, map, promotional materials, etc.
2. Various types of packaging materials such as: Flute boxes, cosmetic boxes, pharmaceutical, gift boxes etc.
3. Advertising such as: POS, boards, documents, photos etc.

Product Structure

Surface Layer: BOPP Film.

Inner Layer: Hot Melt Adhesive.

Typical Properties

Item	Typical value	Test Method
Thickness, μm	25	GB/T6672
BOPP Thickness, μm	12	GB/T6672
Adhesive Thickness, μm	13	GB/T6672
Yield, m ² /kg	46.4	
Wetting Tension, mN/m BOPP surface		
Single treated	≥30	GB/T14216
double treated	≥38	
Adhesive surface	≥40	
Gloss(45°), %	≥50	GB/T8807
Haze, %	≤5	ASTM D1003
C.O.F. out/out	≤0.4	ASTM D1894
Heat Shrinkage, %		Q/CPKDX0001 ¹ (30s @120℃)
MD	≤3	
TD	≤1.5	
Tensile Strength, MPa		GB/T1040.3
MD	≥70	
TD	≥130	
Elongation at Break, %		GB/T1040.3
MD	≤200	
TD	≤60	

Application Technology

Laminating equipment: thermal laminating machine

Temperature: 95-120℃

Pressure: 8-18MPa

Speed: 10-70m/min

Adjust the processing parameter according to the production job requirement.

Shelf Life

12 months.

¹ Q/CPKDX0001 is a corporate standard of KDX.



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