

Special Thermal laminating Film

Technical Data Sheet



Chemical Treated Vacuum Aluminized BOPET Thermal Laminating Film

Product Description.

It is a BOPET based product with Silver metallic luster. The product is non-toxic and environmentally friendly, low level of static, consistent corona treatment, excellent resistance to tear & elongation, primarily used in the printing industry. The film accepts UV spot varnishing, foil stamping as well as screen printing.

Features and Benefits.

1. Environmental safety: This product is non-toxic, tasteless, non-benzene. Do not produce any pollution gases and substances in the process of laminating, without the use solvents, without toxic gases to the environment pollution of volatile and the harm to human body, completely eradicated the hidden fire dangers for use and Storage of flammable solvent.

2. Excellent performance: strong adhesive force, strong ability to eat the powder, printed on dusting with strong modified ability, no need of manual removing powder. Effectively prevent the printing foaming and stripping after the die-cutting bump.

3. High efficiency energy-saving: reduced the glue preparation, glue coating, heating, drying and other procedures, improve efficiency, save costs.

Application.

1. Books cover such as: hard bound books, magazines, Flyers, paper bags, map, promotional materials, etc.

2. Various types of packaging materials such as: Flute Boxes, cosmetics boxes, pharmaceutical, gift boxes etc.

3. Advertising such as: POS, boards, documents, photo, Albums etc.

Product Structure.

Surface Layer: BOPET Film Substrate.

Inner Layer: Hot Melt Adhesive.

Typical Properties

Thickness, μm	20	25
BOPET Thickness, μm	12	12
Adhesive thickness, μm	8	13
Yield, m^2/kg	42.9	36.1
Tensile Strength, Mpa		
MD	≥ 70	≥ 70
TD	≥ 70	≥ 70
Elongation at Break, %		
MD	≤ 150	≤ 150
TD	≤ 110	≤ 110
Wetting Tension, mN/m		
Adhesive surface:	≥ 36	≥ 36
BOPET surface:	≥ 48	≥ 48
Heat Shrinkage (30s@ 120 °C), %		
MD	≤ 2.0	≤ 2.0
TD	≤ 1.0	≤ 1.0
Coefficient of Friction		
Outside / Outside	≤ 0.5	≤ 0.5

Application Technology.

Laminating equipment: thermal laminating machine.

Temperature: 95 – 120 °C

Pressure: 8 - 18 Mpa

Speed: 10 - 70 m/min

Adjust the processing parameter according to the Production job requirement.

Shelf Life.

12 months.