

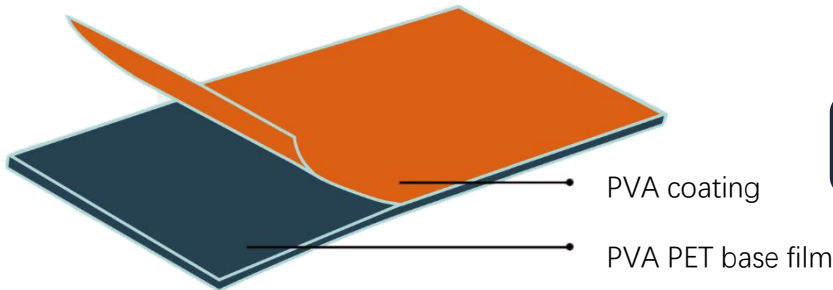
# TECHNICAL DATA SHEET

## APET



- PVA-coated film has a good barrier function for gases (oxygen, nitrogen, carbon dioxide) and small molecule volatiles.
- It is used to improve the gas resistance of flexible packaging materials and has a good protective effect on contents with high oil content, easy oxidation, deterioration, browning, and aroma escape, such as meat products, spice cupcakes, dried fruits, tea, etc., which can prolong the shelf life of the products.

### Film Structure



Coating a transparent PVA at PET base film of different thickness

| Thickness | Width Range | Basic Weight     | Square Meters/Ton | The Roll Size | Length of Standard Roll | Diameter of Standard Roll |
|-----------|-------------|------------------|-------------------|---------------|-------------------------|---------------------------|
| μm        | mm          | g/m <sup>2</sup> | m <sup>2</sup> /T | inch          | m                       | mm                        |
| 12        | 500- 2400   | 17.3             | 57800             | 3             | 6000                    | 320                       |
| 15        |             | 21.5             | 46510             |               |                         | 354                       |
| 25        |             | 35.5             | 28170             |               |                         | 450                       |

Diameter range: 320mm-1000mm

| Description of Production |     | APE12                                      |             |                 |
|---------------------------|-----|--|-------------|-----------------|
| Item                      |     | Unit                                       | Test Values | Test Method     |
| Thickness                 |     | μm   | 12          | GB6672-2001     |
| Tensile Strength          | MD  | Mpa  | 199         | GB/T1040.3-2006 |
|                           | TD  | Mpa  | 215         |                 |
| Elongation at Break       | MD  | %  | 134         |                 |
|                           | TD  | %  | 121         |                 |
| Friction Coefficient      | I/I | /  | 0.32        | GB10006-1998    |
|                           | O/O | /  | 0.35        |                 |
| Haze                      |     | %  | 2.8         | GB2410-2008     |
| Glossiness                |     | %  | 95          | GB8807-1998     |
| Wetting Tension           |     | mN/cm                                      | 52          | GB/T 14216-2008 |
| Oxygen Permeability       |     | cm <sup>3</sup> /m <sup>2</sup> . d.0.1Mpa | 0.9         | GB/T 1038-2000  |
| Water Vapour Permeability |     | g/m <sup>2</sup> .d                        | 15.6        | GB/T 1037-1998  |

Typical applications (APET12/ CPP40 OTR: 0.45 WVTR: 3.17)

TIPS: The coated side faces inward.