



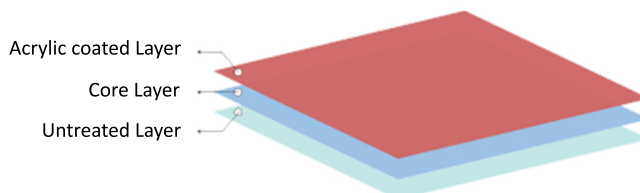
TECHNICAL DATA SHEET

BOPET FILM
Transparent Acrylic Coated
APB-AC1

Key Features

- Excellent Mechanical and Thermal properties
- Good Clarity and Transparency
- Good Dimensional Stability
- Excellent adhesion to ink & lacquer

Is a transparent co-extruded BOPET film, with one side Acrylic based coating and other side untreated



Application

Recommended for Surface Printing
Suitable for improved ink adhesion for high quality printing & lamination application

| PROPERTIES | | TEST METHOD (ASTM) | UNIT | TYPICAL VALUE |
|-------------------------------------|---------|--------------------|------------------------------|---------------|
| THICKNESS | | Internal | Micron | 12 |
| DEVIATION OF AVG. FILM THICKNESS | | | % | ± 1.5 |
| FILM DENSITY | | D-1505 | gm/cc | 1.4 |
| GRAMMAGE | | Internal | gm/m ² | 16.8 |
| YIELD | | Internal | m ² /kg | 59.52 |
| TREATMENT LEVEL | COATED | D-2578 | dyne/cm | 42 |
| COEFF OF FRICTION | DYNAMIC | D-1894 | - | ≤ 0.4 |
| HAZE | | D-1003 | % | 2.2 |
| GLOSS (NOVA GLOSS) | | D-1003 | % | 110 |
| TENSILE STRENGTH AT BREAK | MD* | D-882 | Kg/cm ² | 2,100 |
| | TD* | | | 2,300 |
| | MD* | | (Psi) | 29,870 |
| | TD* | | | 32,710 |
| ELONGATION AT BREAK | MD* | D-882 | % | 150 |
| | TD* | | | 95 |
| HEAT SHRINKAGE (AT 150°C AND 30MIN) | MD* | D-1204 | % | ≤ 2.0 |
| | TD* | | | ≤ 1 |
| W.V.T.R (38°C & 90% RH) | | F-1249 | gm/m ² /day | 45 |
| | | | (gm/100in ² /day) | 2.9 |
| O.T.R (23°C & 0% RH) | | D-3985 | cc/m ² /day | 110 |
| | | | (cc/100in ² /day) | 7.0 |

*MD = Machine Direction *TD = Transverse Direction

Reel Packing Format

| Core Size | Outer Reel Dia |
|-------------|----------------|
| 3" (76 mm) | < 550 mm |
| 6" (152 mm) | < 650 mm |

| Min Reel Size | Max Reel Size |
|---------------|---------------|
| 400 mm | 2200 mm |

Storage

It is recommended to store the film below 30°C in order to avoid deterioration of film properties. It is advisable to use the material on FIFO basis.

Food Contact

Complies with FDA and EC regulations. MSDS are available on request.

Disclaimer

Information contained here is best to our knowledge but limited to the information as specified. No representation or warranty is made regarding the information or its fitness to a particular use. The user is solely responsible for all determinations regarding use and we disclaim liability for any loss or damage that may occur from the use of this information. Astro films reserves the right to change the technical data sheet at any time for enhancing the Quality of the products without prior information.