



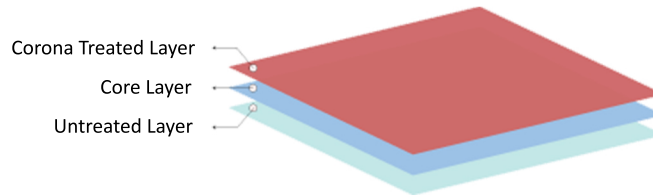
TECHNICAL DATA SHEET

BOPET FILM
Transparent Corona
APB-P

Key Features

- Good Printability
- Good Barrier Properties
- Consistent Slip
- High Tensile Strength and Stiffness

Is a transparent co-extruded BOPET film, with one side corona treated and other side untreated



Application

Printing and Lamination
Sterilization and Pasteurization process

| PROPERTIES | | TEST METHOD | UNIT | TYPICAL VALUE | | | | | | | |
|---|---------|-------------|------------------------------|---------------|------------|------------|------------|------------|------------|------------|------------|
| | | (ASTM) | | | | | | | | | |
| THICKNESS | | Internal | Micron | 10 | 11 | 12 | 15 | 19 | 23 | 36 | 50 |
| DEVIATION OF AVG. FILM THICKNESS | | | % | ±1.5 | ±1.5 | ±1.5 | ±1.5 | ±1.5 | ±1.5 | ±1.5 | ±1.5 |
| FILM DENSITY | | D-1505 | gm/cc | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| GRAMMAGE | | Internal | gm/m ² | 14.0 | 15.4 | 16.8 | 21.0 | 26.6 | 32.2 | 50.4 | 70.0 |
| YIELD | | Internal | m ² /kg | 71.43 | 64.94 | 59.52 | 47.62 | 37.59 | 31.00 | 19.80 | 14.20 |
| TREATMENT LEVEL | | D-2578 | dyne/cm | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 |
| COEFF OF FRICTION | DYNAMIC | D-1894 | - | 0.5 ± 0.02 | 0.5 ± 0.02 | 0.5 ± 0.02 | 0.5 ± 0.02 | 0.5 ± 0.02 | 0.5 ± 0.02 | 0.5 ± 0.02 | 0.5 ± 0.02 |
| HAZE | | D-1003 | % | 2 | 2 | 2 | 2.5 | 2.5 | 2.5 | 3.5 | 5 |
| GLOSS (NOVO GLOSS @ 60°) | | D-2457 | Unit | 120 | 120 | 110 | 110 | 110 | 110 | 110 | 110 |
| TENSILE STRENGTH AT BREAK | MD* | D-882 | Kg/cm ² | 1,900 | 2,100 | 2,250 | 2,250 | 2,250 | 2,250 | 2,000 | 2,000 |
| | TD* | | | 2,000 | 2,200 | 2,450 | 2,450 | 2,450 | 2,450 | 2,450 | 2,450 |
| | MD* | | (Psi) | 27,000 | 29,900 | 32,000 | 32,000 | 32,000 | 32,000 | 28,400 | 28,400 |
| | TD* | | | 28,500 | 31,300 | 34,850 | 34,850 | 34,850 | 34,850 | 34,850 | 34,850 |
| ELONGATION AT BREAK | MD* | D-882 | % | 120 | 125 | 150 | 155 | 155 | 155 | 160 | 165 |
| | TD* | | | 88 | 100 | 120 | 120 | 120 | 120 | 120 | 120 |
| HEAT SHRINKAGE (AT 130°C AND 15 MIN) | MD* | D-1204 | % | 1 - 1.5 | 1 - 1.5 | 1 - 1.5 | 1 - 1.5 | 1 - 1.5 | 1 - 1.5 | 1 - 1.5 | 1 - 1.5 |
| | TD* | | | 0.5 - 1.5 | 0.5 - 1.5 | 0.5 - 1.5 | 0.5 - 1.5 | 0.5 - 1.5 | 0.5 - 1.5 | 0.5 - 1.5 | 0.5 - 1.5 |
| W.V.T.R (38°C & 90% RH) | | F-1249 | gm/m ² /day | 50 | 47.5 | 45 | 45 | 45 | 22 | 15 | 10 |
| | | | (gm/100in ² /day) | 3.2 | 3.0 | 2.9 | 2.9 | 2.9 | 1.4 | 1.0 | 0.6 |
| O.T.R (23°C & 0% RH) | | D-3985 | cc/m ² /day | 125 | 112.5 | 100 | 100 | 90 | 70 | 50 | 40 |
| | | | (cc/100in ² /day) | 8.0 | 7.3 | 6.5 | 6.5 | 6.0 | 4.5 | 3.2 | 2.6 |

*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.

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