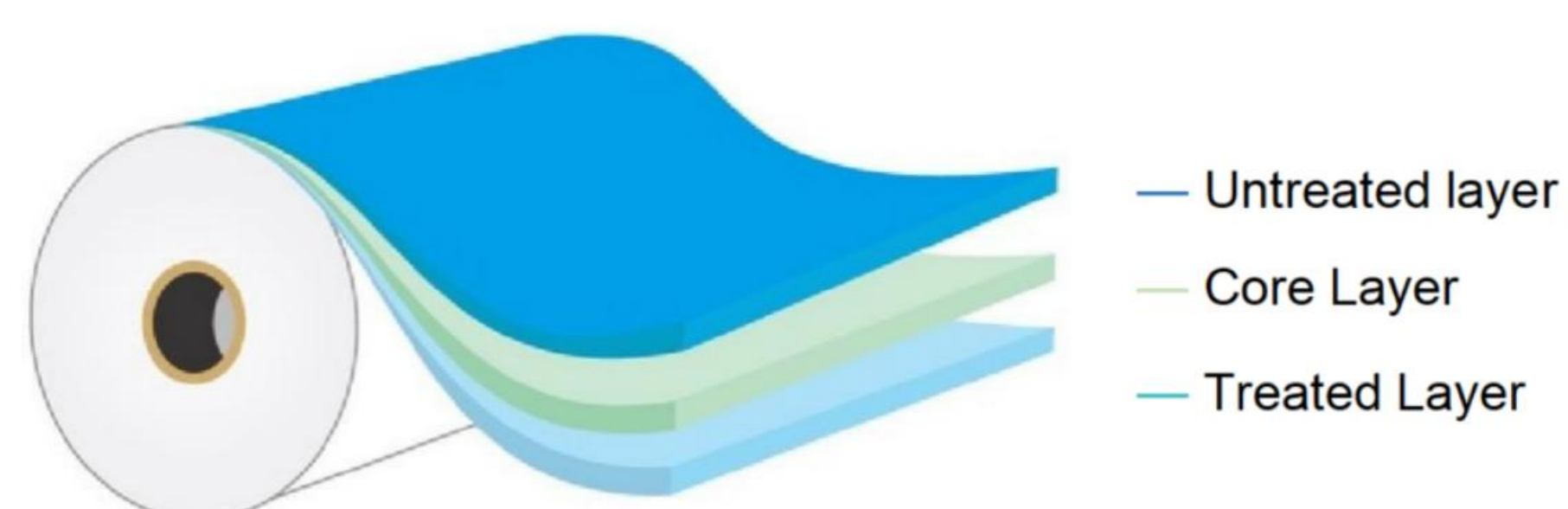


Transparent Printing Packaging Film

11P 25μm

Structure



Description

Transparent non-heat sealable film with inner-side corona treatment, ensuring a surface energy of ≥ 38 dyn/cm for improved adhesion and printability.

Application

Intended for lamination with other substrates post-printing; supports 6 to 8-color printing; not compatible with full-area printing.

Technical Data

| Properties | Ref. | Units | ASTM #/ Test Method | 11P | | | | | | | | | | |
|----------------------------------|-------|-------------------------|------------------------|------------|-------|-------|-----------|-------|-------|-----------|-------|-------|-----------|--|
| Physical Data | | | | | | | | | | | | | | |
| Average Thickness | | micron | D-374-C | 12 | 15 | 17 | 18 | 20 | 25 | 28 | 30 | 40 | 50 | |
| | | gauge | | 47 | 59 | 67 | 71 | 79 | 98 | 110 | 118 | 157 | 197 | |
| | | mils | | 0.5 | 0.6 | 0.7 | 0.7 | 0.8 | 1.0 | 1.1 | 1.2 | 1.6 | 2.0 | |
| Thickness Variation | | %(±) | | 3 | | | | | | | | | | |
| Density | | g/cc | | 0.905 | | | | | | | | | | |
| Average Substance | | g/m | | 10.9 | 13.6 | 15.4 | 16.3 | 18.1 | 22.6 | 25.3 | 27.2 | 36.2 | 45.3 | |
| Surface tension(min) | | dynes/cm | D-2578 | ≥ 38 | | | | | | | | | | |
| Kinetic COF | UT-UT | | D-1894 | 0.20-0.35 | | | | | | | | | | |
| Yield | | m ² /Kg | D-4321 | 92.1 | 73.7 | 65.0 | 61.4 | 55.2 | 44.2 | 39.5 | 36.8 | 27.6 | 22.1 | |
| | | in ² /lb | D-4321 | 64739 | 51792 | 45698 | 43160 | 38844 | 31075 | 27745 | 25896 | 19422 | 15537 | |
| Optical Data | | | | | | | | | | | | | | |
| Gloss(45) | | gardner | D-2457 | ≥ 90 | | | | | | | | | | |
| Haze | | % | D-1003 | ≤ 2.0 | | | | | | | | | | |
| Mechanical Data | | | | | | | | | | | | | | |
| Tensile Strength | | kg/cm | D-882 | 120-160 | | | | | | | | | | |
| | | | | 230-320 | | | | | | | | | | |
| Elongation at break | MD | % | D-882 | 140-180 | | | | | | | | | | |
| | TD | | | 50-65 | | | | | | | | | | |
| Thermal Data | | | | | | | | | | | | | | |
| Shrinkage (120°C/248F,5 min.) | MD | % | D-1204 | 2.0-4.5 | | | | | | | | | | |
| | TD | | | 1.0-2.0 | | | | | | | | | | |
| HotTack Strength | | g/15mm | @125°C | 330 | | | | | 350 | | | 380 | | |
| | | | @257°F | | | | | | | | | | | |
| Barrier Data | | | | | | | | | | | | | | |
| MVTR(38°C,90%RH) | | g/(m ² ·day) | F-1249 | 6.0~8.8 | | | 4.0~6.5 | | | 2.5~4.0 | | | 1.2~2.6 | |
| MVTR(10B,90%RH) | | g/100i/day | | 0.39~0.56 | | | 0.26~0.42 | | | 0.16~0.26 | | | 0.08~0.17 | |

The values given in the above table are typical performance data for reference only. If you have special requirements for product performance indexes, please communicate with business manager.

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