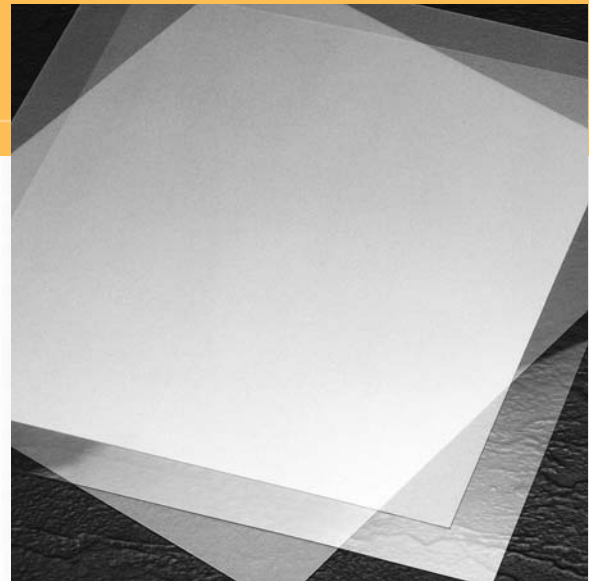


# Polyester Film



## PRODUCT OVERVIEW

Curbell's polyester film has outstanding mechanical and dielectric strength. This film is durable and dimensionally stable. It has low water absorption and good chemical resistance. These properties remain constant over a wide range of temperatures and humidity levels.

Applications include:

- Labels
- Membrane switch overlays
- Packaging
- Nameplates

## TYPICAL PROPERTIES

| PROPERTIES          | TEST METHOD                     | UNITS                              | VALUES                               |
|---------------------|---------------------------------|------------------------------------|--------------------------------------|
| <b>GENERAL</b>      |                                 |                                    |                                      |
| Nominal Thickness   | SKC Method                      | gauge<br>( $\mu\text{m}$ )         | 1000<br>(250.0)                      |
| <b>OPTICAL</b>      |                                 |                                    |                                      |
| Haze                | ASTM D1003                      | %                                  | 60                                   |
| <b>MECHANICAL</b>   |                                 |                                    |                                      |
| Tensile strength    | ASTM D882                       | psi<br>( $\text{Kg}/\text{mm}^2$ ) | MD - 26,000 (18)<br>TD - 28,000 (20) |
| Elongation@break    | ASTM D882                       | %                                  | MD - 190<br>TD - 130                 |
| <b>THERMAL</b>      |                                 |                                    |                                      |
| Heat shrinkage      | SKC Method<br>30 minutes@ 150°C | ° F                                | MD - 2.80<br>TD - 2.00               |
| <b>ELECTRICAL</b>   |                                 |                                    |                                      |
| Dielectric strength | ASTM D149                       | Kv                                 | 23                                   |

Unit correlation: gauge =  $\mu / 0.254$   
 psi =  $\text{Kg}/\text{mm}^2 \times 1422.3$   
 $\text{N}/\text{mm}^2 = \text{Kg}/\text{mm}^2 \times 9.8$

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