

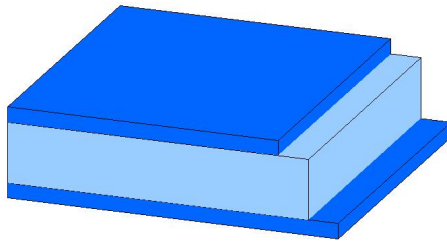


## Polyfilm Polyplex Polyester Films

### Type: TF (plain) 100my

Polyfilm Transparent TF grade Polyester film is designed for various industrial. It has excellent slip and dimensional stability over a wide range of temperatures.

### Composition



- standard surface
- core
- standard surface

### Typical Properties

Provisional data

| Property                     | Units        | Nominal | Method          | Conditions         |
|------------------------------|--------------|---------|-----------------|--------------------|
| <b>Mechanical Properties</b> |              |         |                 |                    |
| Nominal thickness            | $\mu$        | 100     | Polyplex Method |                    |
| Yield                        | $m^2/kg$     | 7.1     | Polyplex Method |                    |
| Unit weight                  | $g/m^2$      | 140     |                 |                    |
| Density                      | $g/cm^3$     | 1.4     |                 |                    |
| Elongation at break          | MD %         | 200     | ASTM D-882      |                    |
|                              | TD %         | 180     |                 |                    |
| Tensile strength             | MD $kg/cm^2$ | 1600    | ASTM D-882      |                    |
|                              | TD $kg/cm^2$ | 1700    |                 |                    |
| <b>Thermal Properties</b>    |              |         |                 |                    |
| Heat shrinkage               | MD %         | 1.2     | ASTMD-1204      | 150 Deg. C/30 min. |
|                              | TD %         | 0.2     |                 |                    |

| Property                         | Units   | Nominal | Method      | Conditions |
|----------------------------------|---------|---------|-------------|------------|
| <b>Surface Properties</b>        |         |         |             |            |
| Co-efficient of friction static  |         | 0.42    | ASTMD-1894  |            |
| Co-efficient of friction dynamic |         | 0.36    | ASTMD-1894  |            |
| Surface tension                  | dyne/cm | 42      | ASTM D-2578 |            |
| <b>Optical Properties</b>        |         |         |             |            |
| Haze                             | %       | 4.5     | ASTM D-1003 |            |
| <b>Electrical Properties</b>     |         |         |             |            |
| Break down voltage               | KV      | 14      | ASTM D-149  |            |

## Standard Roll Presentation

| Thickness<br>μ | Core<br>mm | Length<br>m | outside diameter<br>mm |
|----------------|------------|-------------|------------------------|
| 100            | 152        | 3000        | 637                    |
| 100            | 152        | 4000        | 730                    |
| 100            | 152        | 6000        | 887                    |

## Disclaimer

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Edition: 8/2013