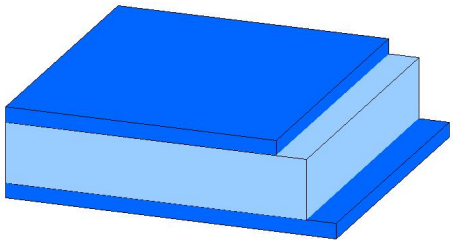
**Polyfilm Polyplex Polyester Films**

# Type: TFL 12my

Polyfilm Transparent TFL grade Polyester film has been designed as base film for Thermal Lamination application. TFL has balanced Shrinkage, good transparency and runability.

## Composition




## Typical Properties

| Property | | Units | Nominal | Method | Conditions |
|---|---|---|---|---|---|
| **Mechanical Properties** | | | | | |
| Nominal thickness | | µ | 12 | PCL Method | |
| Elongation at break | MD | % | 115 | ASTM D-882 | |
| | TD | % | 110 | | |
| Tensile strength | MD | kg/cm² | 2300 | ASTM D-882 | |
| | TD | kg/cm² | 2400 | | |
| **Thermal Properties** | | | | | |
| Heat shrinkage | MD | % | 1.8 | ASTM D-1204 | 150 Deg. C/30 min. |
| | TD | % | 1.6 | | |
| **Surface Properties** | | | | | |
| Co-efficient of friction static | | | 0.50 | ASTM D-1894 | |

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| Property | Units | Nominal | Method | Conditions |
|---|---|---|---|---|
| Co-efficient of friction dynamic | | 0.45 | ASTM D-1894 | |
| Surface tension (plain side) | dyne/cm | 42 | ASTM D-2578 | |
| Physical/Chemical Properties | | | | |
| Density | g/cm³ | 1.4 | | |
| Optical Properties | | | | |
| Light transmission | % | 90 | ASTM D-1003 | |
| Haze | % | 2.5 | ASTM D-1003 | |
| Yield Properties | | | | |
| Yield | m²/kg | 59.7 | Polyplex Method | |

## Standard Roll Presentation

| Thickness µ | Core mm | Length m | outside diameter mm |
|---|---|---|---|
| 12 | 76 | 6000 | 325 |
| 12 | 76 | 12000 | 450 |
| 12 | 152 | 18000 | 570 |
| 12 | 152 | 24000 | 650 |
| 12 | 152 | 36000 | 785 |

## Disclaimer

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