



The Plastic Films Specialist

# Tenopex® TX-UY4100 Polyester Technical Data Sheet

## Description and Applications

Tenopex® TX-UY4100 is a super clear polyester film with digital primer on both sides to create an excellent surface for ink adhesion and penetration. Typical applications include overlay, label & graphic substrates, advertising prints

With digital primer suitable for digital UV & digital aqueous ink types

### Print System Recommendations :

Epson, Hewlett Packard, Mimaki, etc (*please conduct sample batch test prior to mass production*)

## Typical Property Values

| Property                        | Test Method   | Units              | Value            |
|---------------------------------|---------------|--------------------|------------------|
| <b>Physical</b>                 |               |                    |                  |
| Density                         | ASTM D792     | g/cm <sup>3</sup>  | 1.4              |
| <b>Optical</b>                  |               |                    |                  |
| Light Transmission              | ASTM D1003-61 | %                  | 92               |
| Haze                            | ASTM D1003-61 | %                  | 0.9 – 1.2        |
| <b>Mechanical</b>               |               |                    |                  |
| Tensile Strength at Break       | ASTM D882     | Kg/mm <sup>2</sup> | 18               |
| Tensile Elongation at Break     | ASTM D882     | %                  | 90               |
| Friction Coefficient            | ASTM D1894    | Static             | 0.5              |
| <b>Thermal</b>                  |               |                    |                  |
| Standard Temperature Resistance | ASTM D1525-76 | °C                 | > 105            |
| Shrinkage at 130 dec/30min      | ASTM D1204    | % (min)            | 1.5 – 2.0        |
| <b>Electrical</b>               |               |                    |                  |
| Dielectric Strength             | JIS C2151     | KV/mm              | 300KV/mm         |
| Dielectric Constant             | JIS C2151     | 1KHz               | 3.2              |
|                                 |               | 1MHz               | 3.0              |
| Dissipation Factor              | JIS K6911     | 1KHz               | 0.3%             |
|                                 |               | 1MHz               | 1.2%             |
| Volume Resistivity              | JIS C2151     | Ω.cm               | 10 <sup>17</sup> |

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These are typical properties and are not intended for specifications purposes. If minimum certifiable properties are required, please contact your local sales representative. Reported values are based on 0.250mm thickness film unless otherwise noted.

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