

**Material Data Sheet****PET Film/Sheet Product****DESCRIPTION**

UY series PET, is a **Super** Clear polyester film with both side primer treated to create an excellent surface for ink adhesion & penetration. Its benefit falls in various printing with 2 different primer types

It's widely used for nameplate, overlay, membrane switches, projector film & release line, insulation barrier for electric plugs, Label & Graphic base, Adhesive tape

UY series is supplied with 2 different types in accordance with your ink application as below:

- **UY4200 SUPER CLEAR PET (Solvent based primer)**

- suitable for solvent based ink, pc ink, pet ink
- drying recommended:
 - Oven-heat: 90°C, 20-30min, or
 - Infra Red heat : 100-120°C, 3 min

- **UY4300 SUPER CLEAR PET (UV based primer)**

- suitable for uv ink, pet ink
- drying recommended:
 - UV curving: 50-80°C, 1 min

TYPICAL PROPERTY VALUE

Property	Standard Test	Unit	Results
PHYSICAL			
Color/Density	Transparent Clear	± 5 %	1.4
Light Transmittion	ASTM - D 1003-61	UY4200/4300	~ 92
Haze	ASTM - D 1003-61	UY4200/4300	0.9 - 1.2
MECHANICAL			
Tensile Strength at Break	ASTM -D 638/882	kg/mm ²	18
Tensile Elongation at Break	ASTM -D 638/882	%	90
Friction Coefficient	ASTM -D1894	Static	0.5
THERMAL			
Std. Temperature Resistance	ASTM - D 1525-76	°C	> 105
Shrinkage at 130dec/30min	ASTM - D 1204	% (min)	1.5-2.0
ELECTRICAL PROPERTIES			
Dielectric Strength	JIS C2151	KV/mm	300KV/mm
Dielectric Constant	JIS C2151	1KHz	3.2
		1MHz	3.0
Dissipation Factor	JIS K6911	1KHz	0.30%
		1MHz	1.20%
Volume Resistivity	JIS C2151	Ω.cm	10 ¹⁷

Disclaimer

The information & value are intended for reference only. It does not guarantee the same data result, data safety and application suitability as described, nor is not considered a warranty or quality specification. Customer should carry its own test to determine your own particular use. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process.