

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

SC PET, is a Semi Clear polyester film which creates an excellent surface for ink adhesion & penetration. Its benefit falls in various printing with UV or conventional PET ink.

With quite lower shrinkage rate, it's widely used for nameplate, overlay, membrane switches, projector film & release line, insulation barrier for electric plugs, Label & Graphic base, Adhesive tape

TYPICAL PROPERTY VALUE

Property	Standard Test	Unit	Results
PHYSICAL			
Color/Density	Transparent Clear	± 5 %	1.4
Haze	ASTM - D 1003-61	% (max)	2.5-4.5
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
ELECTRICAL PROPERTIES			
Dielectric Strength	JIS C2151	KV/mm	300KV/mm
Breakdown voltage	In house	25-100 micron	8 - 18
		125-250 micron	18-28
Dissipation Factor	JIS K6911	1KHz	0.30%
		1MHz	1.20%
Volume Resistivity	JIS C2151	Ω.cm	4-6 x 10 ¹⁷
THERMAL			
Std. Temperature Resistance	ASTM - D 1525-76	°C	> 105
Shrinkage at 130dec/30min	ASTM - D 1204	% (min)	< 1.5%

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.