

Product Description:

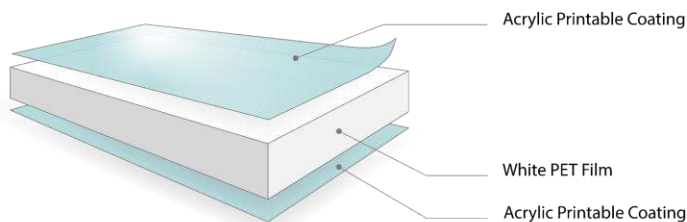
SU749 is a pearlescent satin finish white opaque, heat stabilised polyester film manufactured by HIFI Polyester Film. It is available in various thicknesses.

It comes with an acrylic pre-treatment on both sides enhancing adhesion to most inks and coatings.

Often used as a base product for electronic printing, security printing, pressure and/or medical sensors and many more industrial applications where it is important to have an opaque substrate with the minimum level of shrinkage during processing.

Key Features:

- Superb printability with a wide range of inks on both surfaces
- Heat stabilised to give excellent dimensional stability at temperatures up to 150°C
- Extremely smooth surface gives better print definition
- Excellent adhesion to solvent and UV cured inks, conductive inks and dielectrics



Storage

Recommended storage conditions: 10°C – 25°C; 20% – 50% RH
Shelf Life: 12 months from delivery date (under recommended storage conditions)

TYPICAL VALUES		MD = Machine Direction, TD = Transverse Direction								
Property	Test method	Unit	Direction	Typical values						
Film thickness	-	micron		36	50	75	100	125	175	250
Film yield	-	m ² /Kg		19.6	14.1	9.4	7.1	5.7	4.1	2.8
Unit weight	-	g/m ²		51	71	106	140	175	245	355
Density	ASTML D1505	g/cc		1.40						
Shrinkage	30 mins at 150°C	%	MD	0.55	0.32	0.28	0.25	0.18	0.18	0.14
			TD	0.15	0.15	0.15	0.15	0.08	0.08	0.08
Gloss	ASTM D2457-90 (Gardner 60°)	%		44						
Tensile strength at break	ASTM D882-83 (23°C, 50% RH, strain rate 50% min)	daN/mm ²	MD	14						
			TD	17						
Elongation at break	ASTM D882-83 (23°C, 50% RH, strain rate 50% min)	%	MD	119						
			TD	119						
Upper melt temperature	ASTM E794-85	°C		255 to 260						
Coefficient of thermal expansion (between 20 and 50°C)	-	cm/cm/°C	MD	9 x 10 ⁻⁶						
			TD	16 x 10 ⁻⁶						

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