

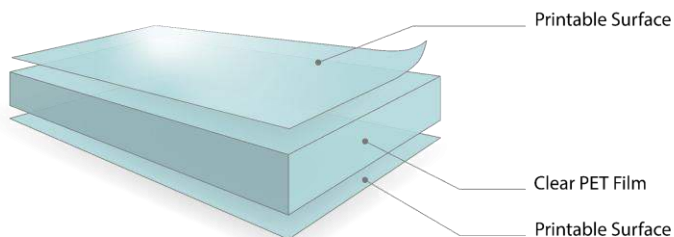
Product Description:

SU320 Is a high clarity, high gloss, heat-stabilised polyester film manufactured by HiFi Industrial Film.

It has an adhesion promoting pre- treat on both sides and is suitable for flexible circuits, membrane touch switch, specialised graphics and other applications where it is important to have the minimum level of shrinkage during processing.

Key Features:

- Superb printability with a wide range of inks
- Heat stabilised to give excellent dimensional stability at temperatures up to 150°C
- Adhesion promoter on both surfaces
- 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		125	175
Film yield	-	m ² /Kg		5.72	4.08
Unit weight	-	g/m ²		175	245
Density	ASTM D1505	g/cc		1.39	
Shrinkage 30 mins at 150°C	-	%	MD	0.15	
			TD	0.05	
Haze	ASTM D1003	%		0.5	
Total light transmittance (max)	ASTM D1003-77 (Gardner hazemeter)	%		87	
Tensile strength at break (minimum)	ASTM D882-83 (23°C, 50% RH, strain rate 50% min)	Kgf/mm ²	MD	17.5	
			TD	17.5	
Elongation at break	ASTM D882-83 (23°C, 50% RH, strain rate 50% min)	%	MD	125	
			TD	80	
Force to elongate 5% of gauge (F5 value)	ASTM D882	Kgf/mm ²	MD	10	
			TD	10	
Upper melt temperature	ASTM E794-85	°C		255 to 260	
Dielectric strength	ASTM D149-81 (7mm electrodes in dry air/25°C)	Kv/mm		125	
Surface resistivity	ASTM D257-83 (500v DC at 20°C / 54% RH)	Ω /sq		> 10 ¹³	
Volume resistivity	ASTM D257-83 (100v DC at 25°C and 1000s)	Ω m		> 10 ¹⁷	

HiFi Polyester Film Is Your Trusted Expert In Polyester Film Solutions

- Expert advice.
- Premium PET films.
- Europe's leading converter & distributor.



Wide range of PET Films



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✓ Polyester film slitting



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✓ Custom converting

Expert Technical Support to Help You Find the Right Polyester (PET) Film Solution

Our in-house specialists provide guidance on material selection, ensuring you get the best polyester film for your specific application and performance requirements.

Contact us for expert help



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