

EverCore™ Coated PVC (Digi) Overlay Card Substrates Technical Data Sheet

Description and Applications

Evercore™ Coated PVC (Digi) Overlay film is engineered for lamination over digitally printed PVC cores using HP Indigo or UV digital printing systems. The precision coating layer provides strong adhesion to digital inks, maintaining consistently high peel strength and optical clarity after lamination. The system activates at lower lamination temperatures than conventional overlays preserving image quality and color integrity. With excellent gloss, surface hardness and durability, it protects printed graphics in high quality laminated cards such access, financial and membership cards.

Typical Property Values

Property		Test Method	Units	Value
Physical				
Density		DIN EN ISO 1183-2	g/cm3	1.20 +/- 0.05
Thickness		Micrometer	mm	+/- 0.005
Width			mm	+/- 0.5
Length			mm	+/- 0.5
Squareness		1m x 1m	mm/M	≤ 1.2
Roughness	R _a	DIN 4768	um	0.4 – 1.2
	R _z		um	4 - 7
Gloss		-	°	≤ 50
Color		-		Transparent
90° Peel Strength		GB/T 17554.1	N	≥ 6
Mechanical				
Tensile Strength	MD	DIN EN ISO 527	MPa	≥ 46
	TD			≥ 42
Thermal				
Shrinkage at 140°C / 10min	MD	DIN 53377	%	≤ -28
	TD			≤ 13
Vicat Heat Resistance (B50)		DIN EN ISO 306	°C	70 +/- 2°C
Visual Inspection				
Surface / Foreign Particles (Gels, Inclusions, etc)	Ø0.3mm – Ø0.5mm	Visual	Nos / m²	≤ 20
	≥ Ø0.5mm			None
	Others			Not Allowed

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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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