



The Plastic Films Specialist

# EverCore™ Coated PVC Overlay Card Substrates Technical Data Sheet

## Description and Applications

Evercore™ Coated PVC Overlay film is a clear protective film designed for lamination over printed PVC cores in card-body construction. The coated surface enhances adhesion ensuring strong interlayer bond strength and print stability during lamination. The film is specially engineered to minimise laking (air entrapment) between layers, resulting in excellent optical clarity and uniform laminated surfaces. With precise thickness control and dimensional stability, it supports consistent hot press lamination and downstream processes such as punching and embossing. Available in both rolls and sheet format, this overlay offers outstanding transparency and durability for financial, ID, smart and access cards. Option for digital ink and laser systems are also available

## Typical Property Values

Property	Test Method		Units	Value
<b>Physical</b>				
Density	DIN EN ISO 1183-2		g/cm3	1.23 +/- 0.02
Thickness	Micrometer		mm	+/- 10%
Width			mm	+/- 1.0
Length			mm	+/- 1.0
Squareness	1m x 1m		mm/M	≤ 1.2
Roughness	R <sub>a</sub>	DIN 4768	um	0.4 – 1.2
	R <sub>z</sub>		um	4 - 7
Color	-			Transparent
90° Peel Strength	GB/T 17554.1		N	≥ 6
<b>Mechanical</b>				
Tensile Strength	MD	DIN EN ISO 527	MPa	≥ 12
	TD			≥ 12
<b>Thermal</b>				
Shrinkage at 140°C / 10min	MD	DIN 53377	%	≥ - 28
	TD			≤ 13
Vicat Heat Resistance (B50)	DIN EN ISO 306		°C	72 +/- 2°C
<b>Visual Inspection</b>				
Surface / Foreign Particles (Gels, Inclusions, etc)	Ø0.3mm – Ø0.5mm	Visual	Nos / m <sup>2</sup>	≤ 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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