



The Plastic Films Specialist

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 as 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			≥ 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 / m ²	≤ 20		
	≥ Ø0.5mm			None		
	Others			Not Allowed		

Tenopex Plastics Co., Ltd

Unit 101, Building 2, No. 136, Hua Xia Road Qiaotou Town,
Dongguan City, Guang Dong Province, China 523532
(86) 138 25753516 marketing@tenopexplastics-cn.cn

www.tenopexplastics.com

Global Sales Office

(852) 6888 0563 helen.koh@optimaplusgroup.com
(65) 87267516 helen.koh@optimaplusgroup.com

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.

Each user is responsible for making its own determination as to the suitability of Tenopex's products, services and recommendations for the user's particular use through appropriate end-use testing and analysis. Although any information or technical recommendation will be given without warranty nor guarantee nor implied, that the results indicated herein are obtained under end-use conditions. Except as provided in seller's standard conditions of sale, seller shall not be responsible for any loss resulting from any uses of its products or services described herein.