

# EverCore™ PVC Core Stock Card Substrates Technical Data Sheet

## Description and Applications

Evercore™ PVC is a premium polyvinyl chloride core stock suitable for a wide range of applications. Featuring high impact strength and smooth matte surface, this is well suited for graphics printing and laminating. EverCore™ PVC Core stock offers excellent flex properties, embossed character retention and color consistency making it ideal as a substrate for card manufacturing industry where longevity, durability and performance are critical.

### Availability

Gauges .004" - .033"

White and customs colors

Sheets and rolls produced to specifications

### Typical Applications

Bank Cards / Credit Cards / Debit Cards

Member / Loyalty / Contact / Contactless Smart Cards

ID Tags / Labels

## Typical Property Values

Property		Test Method	Units	Value
<b>Physical</b>				
Density		ASTM D792	g/cm <sup>3</sup>	1.40 +/- 0.05
Width (TD) ; Length (MD)		-	mm	+/- 0.5mm ; +/-0.5mm
Squareness		1m x 1m	mm/M	≤ 1.2
Dyne Level (#4) ; (#5)		ISO 8296	Dyne/cm	≥ 34 ; ≥ 36
Roughness (#4)	R <sub>a</sub>	DIN 4768	um	0.8 – 1.6
	R <sub>z</sub>		um	4 - 14
Roughness (#5)	R <sub>a</sub>	DIN 4768	um	0.8 – 1.6
	R <sub>z</sub>		um	4 - 14
Gloss (#4) ; (#5)		-	°	≤ 20 ; ≤ 20
Chroma		DIN 53236 / DIN 5033	-	ΔE ≤ 1.0
<b>Mechanical</b>				
Tensile Strength	MD	DIN EN ISO 527	MPa	≥ 40
	TD			≥ 40
Impact Strength		DIN EN ISO 8256	KJ/m <sup>2</sup>	≥ 450
<b>Thermal</b>				
Shrinkage at 140°C / 10min	MD	ASTM D1204	%	≤ 7
	TD			≤ 5
Vicat Heat Resistance (B50)		DIN EN ISO 306	°C	78 +/- 2°C

### 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@optimaplugroup.com  
(65) 87267516 helen.koh@optimaplugroup.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 0.23mm 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.