



The Plastic Films Specialist

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
Physical				
Density		ASTM D792	g/cm3	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 _a	DIN 4768	um	0.8 – 1.6
	R _z		um	4 - 14
Roughness (#5)	R _a	DIN 4768	um	0.8 – 1.6
	R _z		um	4 - 14
Gloss (#4) ; (#5)		-	°	≤ 20 ; ≤ 20
Chroma		DIN 53236 / DIN 5033	-	ΔE ≤ 1.0
Mechanical				
Tensile Strength	MD	DIN EN ISO 527	MPa	≥ 40
	TD			≥ 40
Impact Strength		DIN EN ISO 8256	KJ/m ²	≥ 450
Thermal				
Shrinkage at 140°C / 10min	MD	ASTM D1204	%	≤ 7
	TD			≤ 5
Vicat Heat Resistance (B50)		DIN EN ISO 306	°C	78 +/- 2°C

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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 0.23mm thickness film unless otherwise noted.

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