

EverCore™ Sustain PVC Core Card Substrates Technical Data Sheet

Description and Applications

Evercore™ Sustain PVC is a premium polyvinyl chloride core stock produced using certified Post Consumer Recycled content. Multiple PCR content levels – 50%, 70%, 75%, 90% and 100% options are available for users' application requirements, regulatory targets and brand sustainability goals. This ensures the right balance of eco-impact and technical performance is achievable. It offers excellent flex properties, embossed character retention and color consistency making it ideal substrates for card manufacturing industry when longevity, durability and performance are critical. EverCore™ Sustain PVC Core Stock can be used in a single core or laminate core applications and compatible with coated as well as uncoated overlays.

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/cm ³	1.40 +/- 0.05
Width (TD)		-	mm	+/- 0.5mm
Length ((MD)		-	mm	+/- 0.5mm
Squareness		1m x 1m	mm/M	≤ 1.2
Dyne Level	(#4)	ISO 8296	Dyne/cm	≥ 34
	(#5)		Dyne/cm	≥ 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)	-	°	≤ 20
	(#5)	-	°	≤ 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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