

Barrier-Met[®] Polyester

REVISION DATE: 7/25/2011

Product – A balanced, oriented polyester film that has been metallized on one side and corona treated on the other.

TYPICAL PROPERTIES AND VALUES

PROPERTY		UNITS	AVERAGE	RANGE	TEST METHOD
Gauge		mils microns	0.48 12	Note 2	Micrometer
Yield		in ² /lb M ² /Kg	42,100 60	Note 2	ASTM D4321
Optical Density		NA	2.2	± 0.2	Densitometer
Surface Energy Corona side Metal on film side		Dynes/cm	56 44		ASTM D2578
Metal Adhesion		gms/in N/cm	207 0.8	± 30 ± 0.1	AIMCAL TP-105-92
MVTR @ 100°F, 90% RH		gms/100 in ² /day gms/m ² /day	0.033 0.528	NA	ASTM F1249
OTR @ 73°F, 50% RH		cc/100 in ² /day cc/m ² /day	0.022 0.348	NA	ASTM D3985
COF (Film to Metal)		Dynamic	0.3	± 0.1	ASTM D1894
Tensile Strength	MD CD	psi	31,300 31,300	Note 2	ASTM D882
Elongation at Break	MD CD	%	100 100	Note 2	ASTM D882
Shrinkage (150°C,30min)	MD CD	%	1.6 0.0	Note 2	ASTM D1204

NOTES:

1. The data above for the VACUMET product are typical values and are not limiting specifications. The information contained herein represents the best data available to Vacumet, and we believe it is reliable. No statement with respect to use is intended as a recommendation and no warranty is made. We urge purchasers to conduct confirmatory tests for suitability in their specific use.
2. These properties are determined by the substrate manufacturer – more detailed data is available upon request.
3. The polyester side is in compliance with FDA regulation 21CFR 177.1630 (f.g.h). Drug Master File # 4057. For any questions, samples or additional information, please contact Customer Service at +1.404.432.6300.