

Enhanced Adhesion Ultra Barrier-Met® Polyester

REVISION DATE: 7/25/2011

Product – A high barrier, balanced, oriented chemically-treated polyester film that has been metallized on either the treated or non-treated side to customer's requirements.

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	2.4	± 0.2	Densitometer
Surface Energy Metal on treated side	Dynes/cm	55		ASTM D2578
Metal Adhesion Treated Side	gms/in N/cm	>570 >2.2	NA	AIMCAL TP-105-92
MVTR @ 100°F, 90% RH	gms/100 in ² /day gms/m ² /day	<0.07 <1.09	NA	ASTM F1249
OTR @ 73°F, 50% RH	cc/100 in ² /day cc/m ² /day	0.05 0.775	NA	ASTM D3985
COF (Film to Metal)	Dynamic	0.4	± 0.1	ASTM D1894
Tensile Strength	MD CD psi	42,000 37,000	Note 2	ASTM D882
Elongation at Break	MD CD %	116 117	Note 2	ASTM D882
Shrinkage(150°C,30 min)	MD CD %	1.7 0.8	Note 2	ASTM D1204
NOTES:				

- 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.
- These properties are determined by the substrate manufacturer – more detailed data is available upon request.
- 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.