



KEACO INC.
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TECHNICAL DATA SHEET

ARIDPAK™ AS-9400 MOISTURE BARRIER BAGS

ARIDPAK™ AS-9400 features an incredible 33-pound puncture resistance, which not only provides superior drop test performance, but also is the best choice for the vacuum packaging of trays, reels and tubes with sharp edges. The moisture barrier performance of the ARIDPAK™ AS-9400 exceeds foil laminates for low MVTR, particularly after flexing. Because ARIDPAK™ AS-9400 utilizes the most current metalizing technology, its moisture barrier performance exceeds foil laminates for low Moisture Vapor Transmission Rate (MVTR) particularly after flexing. The multiple layer construction provides full protection against ESD, EMI/RFI and tribocharging.

CONSTRUCTION: (Outer to Inner) Static Dissipative layer/aluminized polyester film/L.D.P.E./Static Dissipative layer.

Electrical Properties:

EMI Shielding:	>40db between 1 & 10 GHz
Resistivity-Conductive Metal Layer (ASTM D-257):	<2 Ohms/sq. in. avg.
Surface Resistivity (both Surfaces) (ASTM D-257 @ 12%RH)	<10 ¹² Ohms. sq. in.
Static Decay (FTMS 101C, Method 4046.1 5000 to 0 Volts):	<0.05 Seconds
Capacitive Probe Test (High Voltage Discharge)	
– EIA-Std 541/Appendix E-1 KV):	<8 volts
Charge Generation-nominal (Modified incline plane Avg. nC/sq. in.):	
Teflon:	-0.09
Quartz:	+0.10

Physical Properties:

Total Thickness:	7.0 mils
Light Transmission (ASTM D-1003-77):	<.01%
Tensile Strength (ASTM D882-83 Method A)	735 lbs
Tear Strength (ASTM D1004-66 - Notched)	MD: 5.8 lbs. TD: 7.5 lbs.
Burst Strength (FTMS 101-C Method 5122)	>130 psi
Puncture Strength (FTMS 101-C Method 2065.1)	>33 lbs
Elongation (ASTM D822-83 Method A)	MD: 40% TD: 74%
Heat Seal Strength (ASTM D-1876-72 Impulse Sealer):	>11 lbs./in width
MVTR (ASTM F-1249 @ 100°F 100 sq. in./24 hrs):	<.005 gms
OTR (@ 100% Oxygen 100 sq. in./24 hrs.)	
ASTM D-3985 77°F @ 90% RH:	<.0005 cc

Contact Corrositivity: Low Carbon Steel, Aluminum, Copper, Ag plated copper foil, Sn-Pb coated copper foil, No evidence of Corrosion or etching of Metal

7/14/2005

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