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TECHNICAL DATA SHEET

ARIDPAK™ AS-9400 MOISTURE BARRIER BAGS

ARIDPAK™ AS-9400 Moisture Barrier Bags feature an impressive 31-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 bags are made of multilayer laminates with the outermost and innermost layers static dissipative and the middle layers are constructed of special polyester film bonded with nylon and aluminum foil film that provides full protection against ESD, EMI/RFI and tribocharging. The results of this special construction feature a Moisture Vapor Transmission Rate (MVTR) that is much lower as compared with a metalized barrier bag structure. The electrical and physical properties meet the requirements of MIL-PRF-81705 Type 1, EIA 583, EIA 541, EIA 625 and IPC/JEDEC J-STD-033 standards.

Electrical Properties:

| | |
|---|---------------------------|
| EMI Shielding: | >40db between 1 & 10 GHz |
| Resistivity-Conductive Metal Layer (ASTM D-257): | <10 ² Ω / sq. |
| Surface Resistivity (both Surfaces) (ASTM D-257 @ 12%RH): | ≤10 ¹¹ Ω / sq. |
| Static Decay (FTMS 101C, Method 4046.1 5000 to 0 Volts): | <0.05 Seconds |

RF and EMI shielding meets shielding requirements of MIL-B81705, Type 1. All surfaces are non-sparking.

Physical Properties:

| | |
|---|------------------------------------|
| Total Thickness: | 7.0 mils ± 10% |
| Tensile Strength (ASTM D882: 2002): | MD: 8000 psi TD: 8000 psi |
| Tear Strength (ASTM D1004: 2003): | MD: 5.5 lbs. TD: 6.0 lbs. |
| Burst Strength (ASTM D3786: 2001): | >130 psi |
| Puncture Strength (FTMS 101-C Method 2065: 1982): | ≥ 31 lbs |
| Elongation (ASTM D822: 2002): | MD: 49% TD: 44% |
| Heat Seal Strength (ASTM D-1876: 2001): | >30 lbs./in |
| MVTR (ASTM F-1249 @ 100°F 100 sq. in./24 hrs): | ≤ 0.0003 g/100in ² /day |

Contact Corrosivity:

No evidence of corrosion or etching of metal against low carbon steel, aluminum, copper, Ag plated copper foil or Sn/Pb coated copper foil.

1/01/19

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