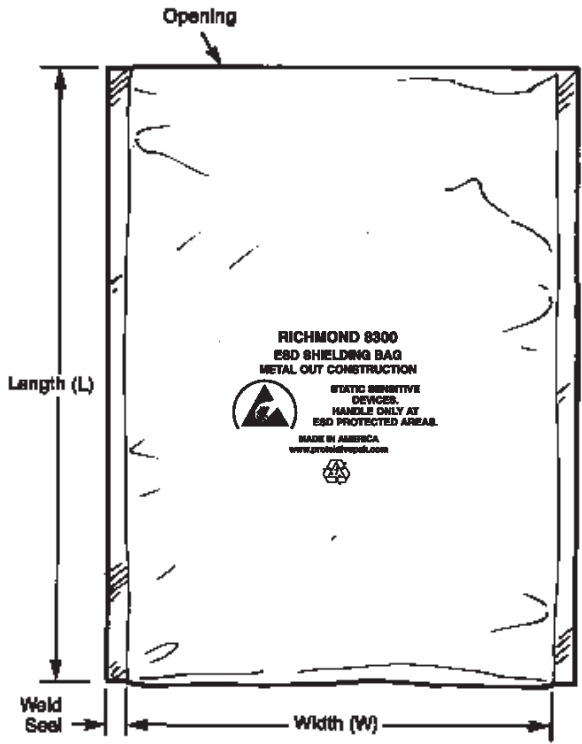


RICHMOND 8300 SERIES



Side Weld Seals 3/8 in.

Item No.	Size (in.) W x L	Item No.	Size (in.) W x L
48500	4 x 4	48509	10 x 14
48501	4 x 6	48510	11 x 15
48502	5 x 8	48511	12 x 16
48503	6 x 8	48512	12 x 18
48504	6 x 10	48513	14 x 16
48505	8 x 8	48514	14 x 18
48506	8 x 10	48515	14 x 24
48507	8 x 12	48516	18 x 24
48508	10 x 12		

Packaged 100 per package

Specifications:

Electrical Properties

Surface Resistance:
 Outer Surface <math><10^{11}</math> ohms
 Aluminum Layer <math><10^2</math> ohms
 Inner Surface <math><10^{11}</math> ohms
 Static Shielding <math><20</math> nJ
 Charge Generation (nC/in²) Teflon: -0.03
 Quartz: +0.10
 Capacitance Probe (to dissipate 1 KV) <math><30V</math>

Typical Values

Test Procedures/Method

ESD S11.11
 EOS/ESD S11.11
 ESD S11.11
 EOS/ESD S11.31
 Modified Incline Plane
 Modified Incline Plane
 MIL-PRF-81705D, EIA 541

Physical Properties:

Bag Thickness:
 Polyester Layer 0.5 Mils
 Aluminum Layer 10-25 Angstroms
 Polyethylene Layer 2.5 Mils
 Total Thickness 3.0 to 3.1 Mils
 Light Transmission (%) 40% (Tobias)
 Seam Strength Pass
 Tear Strength (lbs) >25
 Puncture Resistance (lbs) >10
 MVTR (gms / 100 in² / 24 hrs, 100°F) 0.40
 Burst Strength (psi) >50 psi
 Heat Seal >10 lbs/in.
 Abrasion Resistance >30 cycles
 Outgassing Pass
 Non-corrosive Pass

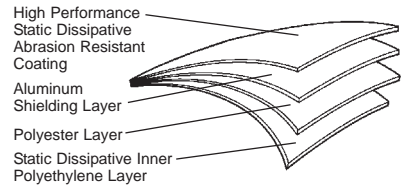
0.5 Mils Static Dissipative PET film
 10-25 Angstroms
 2.5 Mils Static Dissipative PE film
 3.0 to 3.1 Mils
 40% (Tobias)
 Pass
 >25
 >10
 0.40
 >50 psi
 >10 lbs/in.
 >30 cycles
 Pass
 Pass

ASTM D-2103
 ASTM D-2103
 ASTM D-1003
 MIL-PRF-81705D
 ASTM D-1004
 ASTM D-2065
 ASTM F-1249
 FTMS 101C, 2065.1
 375°F, 1/2 sec 60 psi
 Sutherland Abr. (.0000 Steel Wool)
 ASTM E595
 MIL-STD-3010, M3005

Chemical Properties

Corrosion
 Polycarbonate Capability, No Amines N-Octanoic Acid

No effect on aluminum, copper, silver, Sn-Pb coated foil, stainless steel, low carbon steel
 Yes
 Not present



Mixed Unsortable Plastic Scrap
 Mixed unsortable plastic scrap shall contain assorted plastics of multiple grades that are co-extruded, bonded or laminated together which are unsortable into individual grades.
Protective Pak's bags are recyclable

A fundamental ESD control principle (see ANSI/ESD S20.20 Foreword):
 ESD susceptible items should be transported and stored outside an Electrostatic protected Area enclosed in low charging, static shielding protective packaging.

The bag's material meets the performance specification requirements of Mil-PRF-81705D, Type III. Bag is free of amines, N-octanoic acid, and heavy metals.



RICHMOND 8300, TRANSPARENT STATIC SHIELDING BAG (METAL OUT)



PROTEKTIVE PAK
 13520 MONTE VISTA AVENUE, CHINO, CA 91710
 PHONE (909) 627-2578, FAX (909) 363-7331
 www.protectivepak.com

DRAWING NUMBER
 48500

DATE:
 2/06