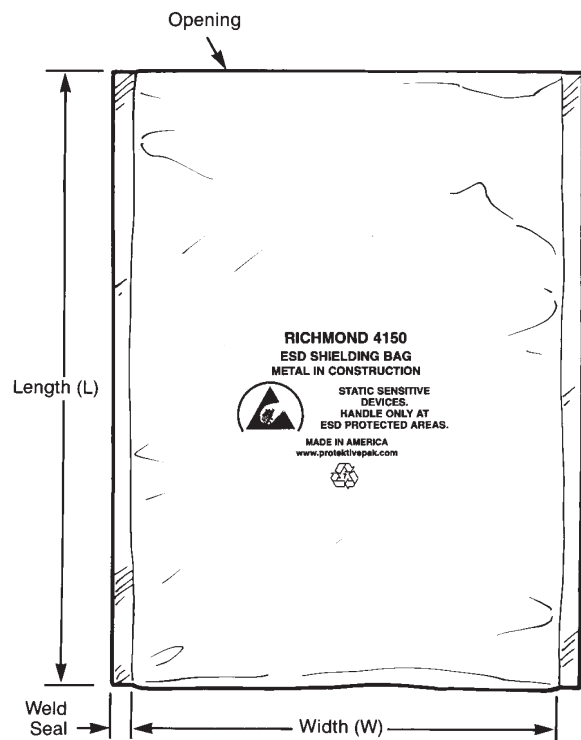




Side Weld Seals 3/8 in.

Item No.	Size (in.) W x L	Item No.	Size (in.) W x L
48000	3 x 5	48009	10 x 14
48001	4 x 6	48010	11 x 15
48002	5 x 8	48011	12 x 16
48003	6 x 8	48012	12 x 18
48004	6 x 10	48013	14 x 18
48005	6 x 14	48014	15 x 18
48006	8 x 10	48015	18 x 18
48007	8 x 12	48016	18 x 24
48008	10 x 12		
Packaged 100 per package			

RICHMOND 4150 SERIES



Specifications:

Electrical Properties

Surface Resistance:

- Outer Surface
- Aluminum Layer
- Inner Surface

Static Shielding - Energy Penetration Charge Generation

Capacitance Probe (to dissipate 1 KV)

Typical Values

- <10¹¹ ohms
- <10² ohms
- <10¹¹ ohms
- <15 nJ (nanojoules)
- Teflon: 0.09 nC/sq. in.
- Quartz: 0.01 nC/sq. in.
- <30V

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
- Aluminum Layer
- Polyethylene Layer
- Total Thickness
- Light Transmission (%)
- Burst Strength (psi)
- Heat Seal (lbs/in)
- Seam Strength
- Tear Strength (lbs)
- Tear Resistance
- Puncture Resistance (lbs)
- MVTR (gms / 100 in² / 24 hrs, 100°F)
- Abrasion Resistance
- Outgassing
- Non-corrosive

- 0.5 Mils Static Dissipative PET film
- 10-25 Angstroms
- 2.5 Mils Static Dissipative PE film
- 3.1 Mils
- >40% (Tobias)
- >50
- >10
- Pass
- >25
- 100 grams/mil
- >12
- 0.35
- >100 cycles
- Pass
- Pass

- ASTM D-2103
- ASTM D-2103
- ASTM D-2103
- ASTM D-1003
- FTMS 101K, Method 2065.1
- 375°F, 1/2 sec 60 psi
- MIL-PRF-81705D
- ASTM D-1004
- ASTM D-1422
- ASTM D-2065
- FTMS 101C/2065
- Sutherland Abr. (.0000 Steel Wool)
- ASTM E595
- MIL-STD-3010, M3005

Chemical Properties

Corrosion

- Polycarbonate Capability,
- No Amines or N-Octanoic Acid

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

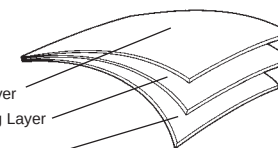


Mixed Unsortable Plastic Scrap

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.

Protektive Pak's bags are recyclable

Static Dissipative
Outer Polyester Layer
Aluminum Shielding Layer
High Performance
Static Dissipative Inner
Polyethylene Layer



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.



Made in America

RICHMOND 4150, TRANSPARENT MULTIPLE USE STATIC SHIELDING BAG (METAL IN)

PROTEKTIVE PAK

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

DRAWING NUMBER
48000

DATE:
1/06