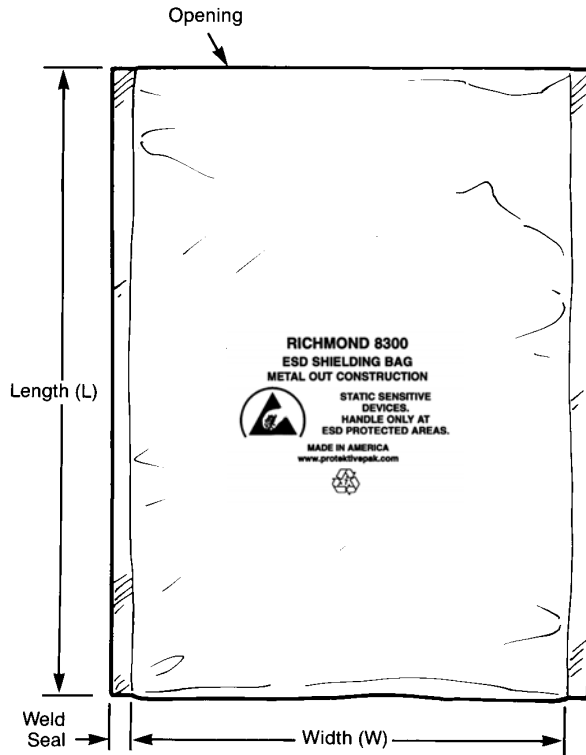


# RICHMOND 8300 SERIES



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

Test Procedures/Method
ANSI/ESD S11.11
ANSI/ESD S11.11
ANSI/ESD S11.11
ANSI/ESD S11.31
Modified Incline Plane
Modified Incline Plane
ANSI/EIA 541/Appendix E, 1kV Discharge

### Physical Properties:

Bag Thickness:	
Polyester Layer	0.5 Mils Static Dissipative PET film
Aluminum Layer	10-25 Angstroms
Polyethylene Layer	2.5 Mils Static Dissipative PE film
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 in <sup>2</sup> / 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

ASTM D-2103

ASTM D-2103

ASTM D-1003

ANSI/ESD S541

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	No effect on aluminum, copper, silver, Sn-Pb coated foil, stainless steel, low carbon steel
Polycarbonate Capability, No Amines N-Octanoic Acid	Yes Not present

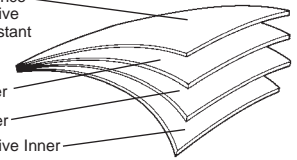


### Mixed Unsortable Plastic Scrap

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

High Performance  
Static Dissipative  
Abrasion Resistant  
Coating  
Aluminum  
Shielding Layer  
Polyester Layer  
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 ANSI/ESD S541. Bag is free of amines, N-octanoic acid, and heavy metals.



Made in the United States of America

## RICHMOND 8300, TRANSPARENT STATIC SHIELDING BAG (METAL OUT)

# PROTEKTIVE PAK

**PROTEKTIVE PAK**  
13520 MONTE VISTA AVENUE, CHINO, CA 91710  
PHONE (909) 627-2578, FAX (909) 363-7331  
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**DRAWING NUMBER**  
48500

**DATE:**  
December  
2012