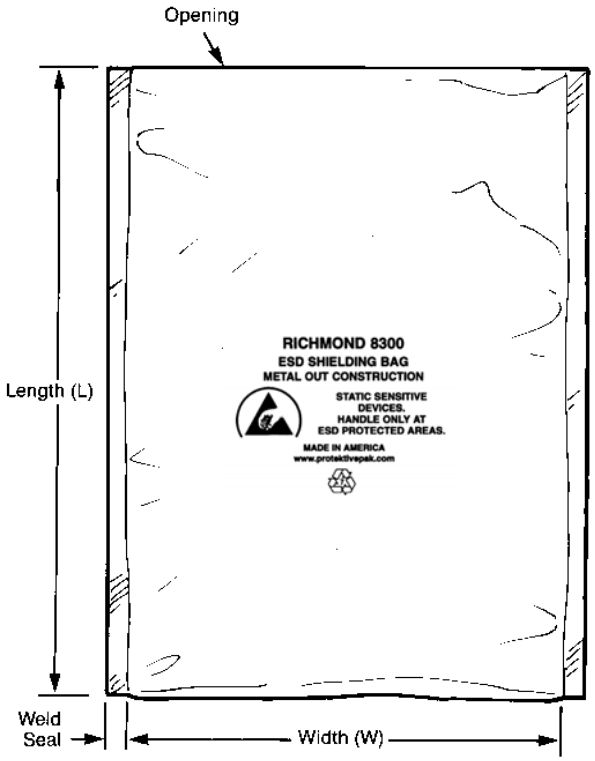
RICHMOND 8300 SERIES



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	Test Procedures/Method
Surface Resistance:		
Outer Surface	$<10^{11}$ ohms	ANSI/ESD S11.11
Aluminum Layer	$<10^{2}$ ohms	ANSI/ESD S11.11
Inner Surface	$<10^{11}$ ohms	ANSI/ESD S11.11
Static Shielding	<20 nJ	ANSI/ESD S11.31
Charge Generation (nC/in^{2})	Teflon: -0.03	Modified Incline Plane
	Quartz: +0.10	Modified Incline Plane
Capacitance Probe (to dissipate 1 KV)	<30V	ANSI/EIA 541/Appendix E, 1kV Discharge

Physical Properties:

Bag Thickness:		
Polyester Layer	0.5 Mils Static Dissipative PET film	ASTM D-2103
Aluminum Layer	10-25 Angstroms	
Polyethylene Layer	2.5 Mils Static Dissipative PE film	ASTM D-2103
Total Thickness	3.0 to 3.1 Mils	ASTM D-2103
Light Transmission (%)	40% (Tobias)	ASTM D-1003
Seam Strength	Pass	ANSI/ESD S541
Tear Strength (lbs)	>25	ASTM D-1004
Puncture Resistance (lbs)	>10	ASTM D-2065
MVTR (gms / 100 in^{2} / 24 hrs, 100°F)	0.40	ASTM F-1249
Burst Strength (psi)	>50 psi	FTMS 101C, 2065.1
Heat Seal	>10 lbs/in.	375°F, 1/2 sec 60 psi
Abrasion Resistance	>30 cycles	Sutherland Abr. (.0000 Steel Wool)
Outgassing	Pass	ASTM E595
Non-corrosive	Pass	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	

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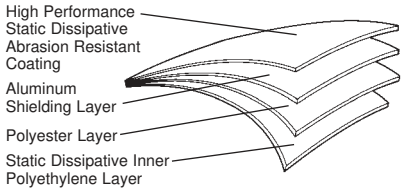
Mixed Unsortable Plastic Scrap

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



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
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DRAWING NUMBER 48500

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