**Specifications:**

**Electrical Properties:**

- **Surface Resistance:**
  - Outer Surface: $<10^{11}$ ohms
  - Aluminum Layer: $<10^9$ ohms
  - Inner Surface: $<10^{11}$ ohms
  - Static Shielding: $<20$ nJ
- **Charge Generation (nC/in²):**
  - Teflon: -0.03
  - Quartz: +0.10
- **Capacitance Probe (to dissipate 1 KV):** $<30$V

**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 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

**Chemical Properties:**

- **Corrosion:** No effect on aluminum, copper, silver, Sn-Pb coated foil, stainless steel, low carbon steel
- **Polycarbonate Capability:** Yes
- **No Amines N-Octanoic Acid:** 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.

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.

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**RICHMOND 8300 SERIES**

**PROTEKTEK PAC**

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**DRAWING NUMBER**

48500

**DATE:**

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