# 8000T ESD Gloss

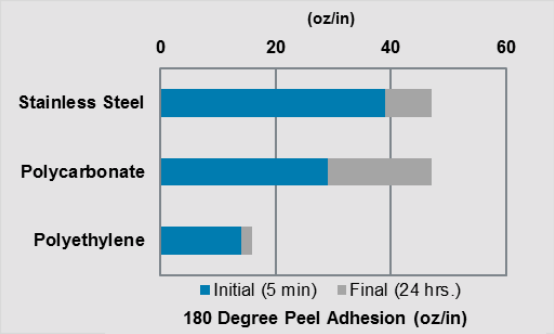
## FEATURES

- Thermal transfer, gloss polyester electrostatic dissipative label with a high-temp permanent acrylic adhesive
- Classified as static dissipative per the ESD S11.11 Surface Resistance Test.
- Unparalleled smear/scratch resistance
- Good durability and chemical resistance
- Topcoating is suitable for fanfolding
- Available in white (05076RM)

### MATERIAL CONSTRUCTION

| Component | Description | Caliper |
|---|---|---|
| **Facestock** | White coated polyester | 2.0 mil |
| **Adhesive** | Permanent, acrylic-based | 0.9 mil |
| **Liner** | 50 lb. semi-bleached, kraft stock | 3.2 mil |
| | **TOTAL ± 10%** | **6.1 mil** |

### ADHESIVE STRENGTH




### TEMPERATURE PERFORMANCE

| Minimum Application Temperature | Service Temperature | Optimal Storage Conditions |
|---|---|---|
| 50° F (10° C) | -40° F to 302° F (-40° C to 150° C) | 72° F (22° C) at 50% RH |

**Expected Exterior Life**
3 year

### CHEMICAL RESISTANCE

| | Chemical | Suggested Ribbon 6200 | Suggested Ribbon 5100 |
|---|---|---|---|
| Weak | Blood | ● | ● |
| | Body Fluid | ● | ● |
| | Salt Water | ● | ● |
| | Water | ● | ● |
| | Window Cleaner | ● | ● |
| Moderate | Alcohol | ● | ● |
| | Ammonia | ● | ● |
| | Bleach | ● | ● |
| | IPA | ● | ● |
| Harsh | Gasoline | ● | ● |
| | Grease | ● | ● |
| | Oil | ● | ● |
| Extreme | Acetone | NR | NR |
| | IR Reflow | NR | NR |
| | MEK | NR | NR |
| | TCE | NR | NR |
| | Xylene | NR | NR |

● Recommended ● Test in Your Application NR Not Recommended

### SUGGESTED APPLICATIONS

- Printed Circuit Board Applications (top side), and electronic component labeling

All products should be pre-tested to ensure it meets all intended requirements of specific end-use applications.

**For more information, visit www.zebra.com/supplies**


NA and Corporate Headquarters | +1 800 423 0442 | inquiry4@zebra.com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## ESD Testing

| Electrical Properties | Film Surface | Adhesive Surface |
|---|---|---|
| Surface Resistivity * (ohm/sq.) | $10^{13}$ | $10^{9}$ |
| Static Decay ** (V/s) | 0.50 | 100 |
| Peak Voltage ** (V) | 1360 | 200 |
| Residual Voltage ** (V) | 1330 | 0 |
| Dissipation Time ** (s) | 60 | 2.0 |

* Surface Resistivity is measured per EOD/ESD S.11.11 (Used Monroe Resistivity Meter, Model 272

** Used Monroe Static Charge Analyzer, Model 276A to measure static decay rate. Ion current is increased until it reaches 70mA. The peak voltage at 70mA is recorded. After the twenty second charge duration expires, the samples charge dissipation is monitored for sixty seconds. The static decay rate is defined as the difference in peak and residual voltage as a function of dissipation time.

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