

PURESTAT ENGINEERED TECHNOLOGIES, INC.

PURE-STAT™ DISSIPATIVE

Our 6 mil anti-static polyethylene film, PURE-STAT™ meets the electrical requirements of MIL-PRF-81705D, Type II entitled Barrier Material, Flexible, Electrostatic-Free and Heat Sealable. Humidity independent and non corrosive. When tested for Fluoride (F), Chloride (Cl), Sodium (Na), Sulfate (SO⁴), Nitrate (NO³), and Phosphate (PO⁴), these corrosive contaminants were found to be negligible or immeasurable. PURE-STAT™ is made from a single layer of non-amine polyethylene.

<u>Physical Properties</u>	<u>Test Method</u>	<u>Specification</u>
Color	Visual	Clear, tinted Pink or tinted Blue
Thickness	Micrometer	2 to 8 mils
Tensile Strength	ASTM D-882	2000 to 3000 PSI
Tearing Strength	ASTM D-1004	65 to 4500 lbs per inch
Elongation	ASTM D-882	> 550 %
Mullen Burst	ASTM D-774	20 to 60 PSI
Dart Impact	ASTM D-1709	250 to 700 grams
Static Decay Rate 5KV - 0 Volts	MIL-PRF-81705D Type II FED. Test Method 101, 4046	< 2 seconds
Surface Resistivity	ASTM D 257	< 10 ¹² Ohms/sq
Surface Resistance	ANSI/ESD STM11.11	< 10 ¹¹ Ohms

Polycarbonate Compatibility - 3400 PSI @ 73F, 2500 PSI @ 120F, 1700 PSI @ 158F and 2000 @ 185F.

Shelf Life: Permanently antistatic under normal storage conditions. Keep out of direct sunlight and below 160 ° F. Tested 16 hours @ 0° F, 16 hours @ 160° F and 8 hours @ 100° F 95% RH - All conditions - Antistatic

Heat Sealing

Temperature - 250 - 375 degrees F	Time - .5 - 3.5 seconds	Pressure - 30 - 70 PSI
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Sizes

Bag width - 1.75" - 80" - for bottom seal bags

Bag length - any length

Available in reclosable tops

Applications:

For packaging of static sensitive & nonstatic sensitive components, where electrostatic contamination is a problem.

Products available:

Bags, Tubing, Sheeting.

The values shown above were developed from random samples taken from production material we believe to be typical for the product. However, actual values may vary somewhat from those depicted here and PST makes no warranty, expressed or implied, as to the suitability of these materials for any specific use. Customers should determine product suitability based upon their own initial criteria. Nothing herein is to be taken as a license to operate under or a recommendation to infringe upon any patent.