

ALL-SPEC



All-Spec Industries Bio-Stat™ 70/170 Series 3 mil anti-static biodegradable polyethylene film meets the electrical requirements of 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. Bio-Stat™ is made from a single layer of non-amine polyethylene and contains 40% recycled post consumer resin. Bio-Stat™ is biodegradable and will break down in as little as nine months.

Applications

For packaging of static sensitive and non-static sensitive components, where electrostatic contamination is a problem

Properties

Color:	Clear with green tint	
Thickness:	3 mil	ASTM D 374
Tensile Strength:	3000 PSI	ASTM D 882
Tearing Strength:	65 to 400 lbs/in.	ASTM D 1004
Elongation:	MD > 800% TD > 900%	ASTM D 882
Dart Impact:	> 200 grams	ASTM D 1709
Burst (Mullen):	20 to 60 PSI	ASTM D 774
Surface Resistivity:	< 10 ¹² ohms/sq	ASTM D 257

Performance

Static Decay Rate:	< 2 seconds per Method 101, Method 4046
Polycarbonate	3400 PSI at 73°F, 2500 PSI at 120°F,
Compatibility:	1700 PSI at 158°F and 2000 PSI at 185°F

Shelf Life

Permanently anti-static under normal storage conditions.

Tested:

- 16 hours @ 0°F - antistatic
- 16 hours @ 160°F - antistatic
- 8 hours @ 100°F, 95% RH - antistatic

Heat Sealing

Product is suitable for automatic bag-making machines:

Temperature:	250oF - 375oF
Time:	0.5 - 3.5 seconds
Pressure	30 - 70 PSI

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"The Customer Company"™

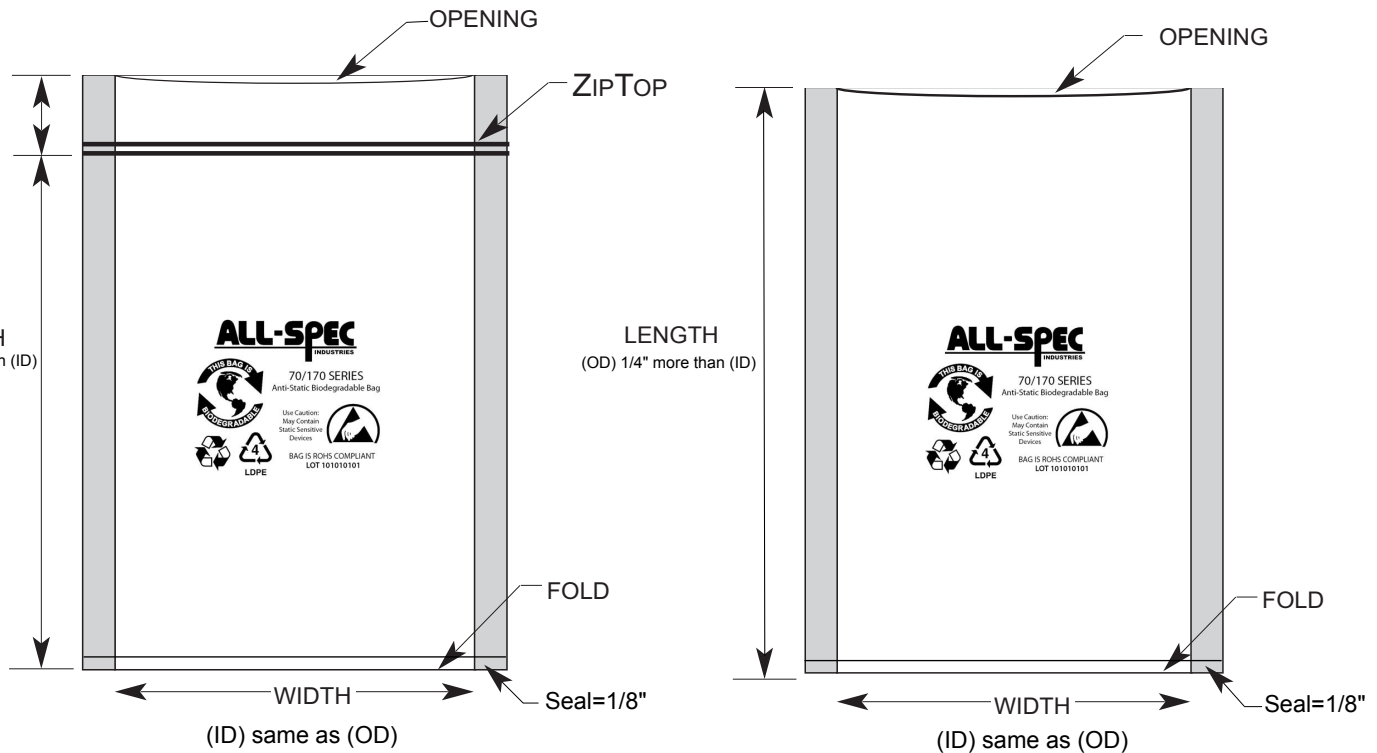
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70/170 Series - 3 Mil Anti-Static Biodegradable Polyethylene Film Bags

Product Tolerances:

Descriptions state the (ID) inside dimensions ("W"idth x "L"ength) of the bag.

- Tolerances vary per size of bag
- (OD) for width is the same as the (ID)
- Seal width is 1/8"
- For open top bags, the (OD) for length is 1/4" more than the (ID)
- For zip-top bags, the (OD) for length is 1" more than the (ID)



The values shown above were taken from random samples of material we believe to be typical for the product; however, actual values may vary somewhat from those listed above. All-Spec 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 and testing.