

**PRODUCT**

# Integrity LDPE Bags

**600-0107**

**FEATURES**

- Low density Ultraclean Film certified to: Level II (poly), Level III(anti-static poly) cleanliness standards
- Strong puncture resistance.
- Easily heat sealed
- Low water vapor transmission rate.
- Good electrical properties
- Chemically resistant to most solvents
- Economical, most common material used for cleanroom packaging
- FDA Approved for use with food

**APPLICATIONS**

Poly: Medical implants; bearings, valves, valve component parts; box liners and bulk storage; laundry services; gamma sterilization; pharmaceutical storage; electronic disk carriers and transport trays; precision parts; air, gas, water filters and housings; machinery covers; optical parts; printing plate storage and protection.

Permanent Anti-static poly: Adds static protection for the parts listed above. Additionally, it is effective for secondary packaging for parts transport; separator sheets between parts; parts storage; disk storage; printed circuit boards, electronic solenoid valves; and clean wafer boat carriers.

SPECIFICATIONS	VALUES
Bag Width	2" (minimum), 60" (maximum)
Bag Length	2" (minimum) Unlimited (maximum)
Mil Thickness	1.5–8 mil
Cleanliness Level	Level II Poly Level III Anti-Static Poly
Flammable	Yes
Optical	Transparent and Transparent Pink
Shelf Life	5 Years

SPECIFICATIONS	VALUES
Tensile Strength at Break	2,700 psi
Elongation at Break	90–800%
Dart Impact	350 gms
Water Absorption (24 hrs)	<0.1%
Melting Point	95–130 EC
Surface Resistivity (for Anti-Static Poly)	4.5 x 10 <sup>11</sup> ohms
Static Bleed-Off Time	to OV 0.5 sec. Average

To request a quotation or for more information, please call **+1 512-713-0127**  
 email [sales@integritycleanroom.com](mailto:sales@integritycleanroom.com) or visit [www.integritycleanroom.com](http://www.integritycleanroom.com)

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PROPERTY MEASURED	METHOD USED	UNITS OF MEASUREMENTS	TYPICAL VALUE
Film Thickness		Microns	60 - 150 ± 10µm average across film
Available Width		mm	60-1000 ±10mm
Tensile Strength*	ISO 527-3	MPa	MD: 20 TD: 26
Density	ISO 1183	g/cm <sup>3</sup>	0.923
Tensile Elongation*	ISO 527-3	%	MD: 600 TD: 300
Coefficient of Friction	ISO 8295	-	85
Shelf Life		Months	> 24
Heat Sealing conditions		°C	100 - 120
MVTR**	DIN 53122-2-D	g/m <sup>2</sup> /day/bar at 38°C and 90%RH	2.77
Surface Resistivity	DIN 53482	Ω	
Particulates	Liquid particle count	Particle > 0,30 µm size > 0,50 µm 1,00 µm	< 100.0 per cm <sup>2</sup> < 20.0 per cm <sup>2</sup> < 3.0 per cm <sup>2</sup>
VOC	Global contamination as toluene equivalent	µg/g	< 20

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