

# SELECT'S CLEANROOM CAPABILITIES



## PRECISION CLEANING

SELECT's onsite ISO Class 7 (class 10,000 cleanroom) and isolated area which is ISO class 5 (class 100 cleanroom) provide strict particulate control vital to industrial barrier bag and component bag manufacturing and critical component assembly

needed to protect sensitive equipment of all shapes and sizes. It is equipped with a fume exhaust system as well as a particle measuring system for use in the testing of material surface contaminants.



### COMPLY. SELECT.

Our expertise extends to prototype work, custom projects or volume production to comply with exacting customer specifications in aerospace, automotive, military, electronics, wireless and other industries.

Our facility is ideal for small, low minimum lot size runs of flat, gusseted, 3-D style bags with installed ports and/or lips with PSA closures.

CRITERIA	ISO 5	ISO 7
Air Changes per Hr/Min	300 to 480/ 5 to 8	60/1
Filter Coverage %	50 to 70	7 to 15
CFM per Sq Ft	36 to 65	9 to 16
Filter Efficiency	99.997 (4-9s HEPA's)	99.997 (4-9s HEPA's)

## OUTSOURCE YOUR SECONDARY CLEANROOM OPERATIONS FOR OPTIMUM EFFICIENCY

Select Fabricators' facility – combined with our manufacturing know-how – can accommodate your short run pre-fabrication and/or fabrication of individual components, assemblies, bags, covers, shrouds or enclosures.



## CLEANROOM PRODUCTS AND SERVICES

- Assembly
- Sealing of flexible materials
- Kitting
- Finish Packaging
- Cleanroom Bags
- Surface particle testing

## TESTING

TEST	STANDARD
Liquid Particle Testing LP-0002	Ref: IEST STD-CC 1246 Product Cleanliness Levels & Contamination Control Program and NASA LPG5322.1 Contamination Control Requirements Manual
Seal Strength	#/inch ASTM F88
Seal Strength – Air Burst TP-0001	Ref: ASTM F1140
Seal Appearance	Visual ASTM F1886
Vacuum Test – TP-005	Ref: ASTM 515-05
Outgas testing – upon request	

<b>Cage Code:</b>	1VB13
<b>Duns #:</b>	003053357
<b>NAICS:</b>	334413
<b>ITAR registered:</b>	US Dept. of State—Office of Defense Trade Compliance



# CLEANROOM BAGS



## THE LOW MINIMUM, SMALL LOT ADVANTAGE



When your product requires the utmost cleanliness, specify SELECT's cleanroom bags. Using the latest quality standards and equipment to produce superior strength bags with durable, high-quality seals; SELECT can be particularly cost effective with low minimum / small lot size runs.

Our onsite cleanroom can produce sizes to meet your specifications without a minimum quantity. SELECT makes bags in a number of styles and feature from 2" x 2" to 30" x 96" and longer. Custom sizes and designs are handled with ease.

## STYLES AND FEATURES



- Flat
- 3-D (square or rectangular bottom)
- Gusset
- Tubing
- Installed Ports
- Lips with PSA closure

Technology Sectors	
Containment Control Engineering	Clean Parts Packaging, Storage and Protection
Discrete Component Manufacturing	Medical / Biotech Engineering
Semiconductor / Electronics	Aerospace

## MATERIALS

- Aclar®
- Anti-Static Polypropylene
- Bubble Pack
- Co-Extrusions
- Conductive
- Composites
- Custom Laminates
- Flexible Foam
- High Strength/High Barrier Films and Laminates
- Linear Low Density Polyethylene (LLDPE)
- Low Density Polyethylene (LDPE)
- Mono-films
- Nylon 6
- Photo Black
- Polypropylene
- Polyethylene
- Static Shielding
- VCI & VPI for Corrosion Control

SELECT Cleanroom Bags are double-barrier packed. A Certificate of Conformance is included with every shipment and contains both part number and lot number for traceability.

TEST	STANDARD
Liquid Particle Testing LP-0002	Ref: IEST STD-CC 1246 Product Cleanliness Levels & Contamination Control Program and NASA LPG5322.1 Contamination Control Requirements Manual
Seal Strength	#/inch ASTM F88
Seal Strength – Air Burst TP-0001	Ref: ASTM F1140
Seal Appearance	Visual ASTM F1886
Vacuum Test – TP-0005	Ref: ASTM 515-05
Outgas testing – upon request	

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SELECT can provide optional certification to level 50 using a liquid particle tester.

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### Select Fabricators Inc.

5310 North Street, Building #5 • PO Box 119  
Canandaigua, NY USA 14424

P: +1 585.393.0650 or 888.599.6113 • F: +1 585.393.1378  
E: [SelectUs@select-fabricators.com](mailto:SelectUs@select-fabricators.com) • W: [www.select-fabricators.com](http://www.select-fabricators.com)