

**PRODUCT**

# Class 100 Cleanroom LDPE Bag

## TECHNICAL DATASHEET



**DESCRIPTION**

Ultra clean low-density polyethylene cleanroom bag, produced within a Class 100 / ISO 5 cleanroom. Suitable for cleanroom use.

**FEATURES**

- Manufactured in Class 100 cleanroom
- Heat sealable
- Ultra low outgassing material
- Supplied double-bagged
- Thickness 400 gauge / 100 micron

**PHYSICAL PROPERTIES**

PROPERTY MEASURED	TEST METHOD	VALUE
Density	ASTM D 1505	0.922 g/cm <sup>3</sup>
Tensile Strength: MD	ASTM D 882	≥ 2,000 psi
Tensile Strength: TD	ASTM D 882	≥ 2,000 psi
Elongation: MD	ASTM D 882	≥ 300 %
Elongation: TD	ASTM D 882	≥ 300 %
Puncture Resistance	MIL STD 3010-2065	≥ 6 lbs
Heat Seal Strength	ASTM F 88	≥ 30 N
LPC	BY SHAKER	≥ 0.5 μm ≤ 100counts/cm <sup>2</sup>

To request a quotation or for more information, please call **+44 (0)1473 836205** email [info@integritycleanroom.co.uk](mailto:info@integritycleanroom.co.uk) or visit [www.integritycleanroom.co.uk](http://www.integritycleanroom.co.uk)

IMPORTANT: This data sheet and its contents (the "Information") belong to Integrity Cleanroom or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but Integrity Cleanroom assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where Integrity Cleanroom was aware of the possibility of such loss or damage arising) is excluded. © 2025 Integrity Cleanroom.

**CLEANLINESS PROPERTIES**

PROPERTY MEASURED	TEST METHOD	TYPICAL VALUE
Outgassing	HDD Industry Test Method	$\leq 3,000 \text{ ng/cm}^2$ $< 3000,000 \text{ ng/g}$
<b>Ionic Contamination:</b> Chloride, Cl Sulphate, SO <sub>4</sub> Nitrate, NO <sub>3</sub> Amine, Amide and Silicon	HDD Industry Test Method HDD Industry Test Method HDD Industry Test Method HDD Industry Test Method	$< 10 \text{ ng/cm}^2$ $< 10 \text{ ng/cm}^2$ $< 20 \text{ ng/cm}^2$ Not Detected

To request a quotation or for more information, please call **+44 (0)1473 836205**  
 email [info@integritycleanroom.co.uk](mailto:info@integritycleanroom.co.uk) or visit [www.integritycleanroom.co.uk](http://www.integritycleanroom.co.uk)

IMPORTANT: This data sheet and its contents (the "Information") belong to Integrity Cleanroom or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but Integrity Cleanroom assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where Integrity Cleanroom was aware of the possibility of such loss or damage arising) is excluded. © 2025 Integrity Cleanroom.

PRODUCT CODE	DESCRIPTION	SIZE (INCH)	SIZE (MM)	QUANTITY
600-0157	Class 100 Cleanroom LDPE Bag	3 x 5	76 x 127	100
600-0154	Class 100 Cleanroom LDPE Bag	4 x 6	101 x 152	100
600-0158	Class 100 Cleanroom LDPE Bag	5 x 8	127 x 203	100
600-0159	Class 100 Cleanroom LDPE Bag	7 x 8	177 x 203	100
600-0160	Class 100 Cleanroom LDPE Bag	9 x 12	228 x 305	100
600-0161	Class 100 Cleanroom LDPE Bag	10 x 12	254 x 305	100
600-0162	Class 100 Cleanroom LDPE Bag	10 x 16	254 x 406	100
600-0163	Class 100 Cleanroom LDPE Bag	12 x 15	305 x 381	100
600-0155	Class 100 Cleanroom LDPE Bag	12 x 18	305 x 457	100
600-0164	Class 100 Cleanroom LDPE Bag	14 x 16	355 x 406	100
600-0165	Class 100 Cleanroom LDPE Bag	15 x 18	381 x 457	100
600-0166	Class 100 Cleanroom LDPE Bag	16 x 18	406 x 457	100
600-0167	Class 100 Cleanroom LDPE Bag	16 x 20	406 x 508	100
600-0168	Class 100 Cleanroom LDPE Bag	18 x 18	457 x 457	100
600-0156	Class 100 Cleanroom LDPE Bag	18 x 24	457 x 609	100
600-0169	Class 100 Cleanroom LDPE Bag	18 x 30	457 x 762	100
600-0170	Class 100 Cleanroom LDPE Bag	20 x 20	508 x 508	100
600-0171	Class 100 Cleanroom LDPE Bag	20 x 24	508 x 609	100
600-0172	Class 100 Cleanroom LDPE Bag	24 x 24	609 x 609	100
600-0173	Class 100 Cleanroom LDPE Bag	24 x 30	609 x 762	100
600-0174	Class 100 Cleanroom LDPE Bag	24 x 36	609 x 914	100
600-0175	Class 100 Cleanroom LDPE Bag	25 x 25	635 x 635	100
600-0176	Class 100 Cleanroom LDPE Bag	30 x 30	762 x 762	100
600-0177	Class 100 Cleanroom LDPE Bag	36 x 36	914 x 914	100

To request a quotation or for more information, please call **+44 (0)1473 836205**  
 email [info@integritycleanroom.co.uk](mailto:info@integritycleanroom.co.uk) or visit [www.integritycleanroom.co.uk](http://www.integritycleanroom.co.uk)

IMPORTANT: This data sheet and its contents (the "Information") belong to Integrity Cleanroom or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but Integrity Cleanroom assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where Integrity Cleanroom was aware of the possibility of such loss or damage arising) is excluded. © 2025 Integrity Cleanroom.