

PRODUCT

LDPE Cleanroom Bags

TECHNICAL DATASHEET



DESCRIPTION

Ultra clean low-density polyethylene cleanroom bags, produced entirely within a class 1000 / ISO 6 cleanroom.

FEATURES

- Ultra clean low density polythene
- Supplied double-bagged
- Clear LDPE bag
- Can be supplied sterile by gamma irradiation

PRODUCT CODE	DESCRIPTION	SIZE (INCH)	SIZE (MM)	MICRON	QUANTITY
600-0107	LDPE Cleanroom Bags	4.33 x 9	110 x 230	150	100
600-0129	LDPE Cleanroom Bags	4.72 x 5.9	120 x 150	150	100
600-0100	LDPE Cleanroom Bags	5.9 x 10.2	150 x 260	150	100
600-0104	LDPE Cleanroom Bags	8 x 10	203 x 254	150	100
600-0112	LDPE Cleanroom Bags	9.84 x 15	250 x 380	150	100
600-0105	LDPE Cleanroom Bags	10 x 12	254 x 305	150	100
600-0120	LDPE Cleanroom Bags	11.5 x 15	292 x 381	150	100
600-0102	LDPE Cleanroom Bags	11.8 x 17.7	300 x 450	150	100
600-0113	LDPE Cleanroom Bags	15.8 x 20.9	400 x 530	150	100
600-116	LDPE Cleanroom Bags	23.6 x 35.63	600 x 905	50	100
600-0132	LDPE Cleanroom Bags	31.5 x 39.37	800 x 1000	75	150

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

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FILM PROPERTIES

PROPERTY MEASURED	METHOD USED	UNITS OF MEASUREMENT	TYPICAL VALUE
Film Thickness		Microns	60 - 200 ± 10µm average across film
Available Width		mm	60-1000 ±10mm
Tensile Strength at Break*	ASTM D882	MPa	MD: 24 TD: 23
Elongation at Break*	ASTM D882	%	MD: 370 TD: 570
Elmendorf Tear Strength*	ASTM D1922	g/ µm	MD: 4.7 TD: 4.1
Puncture Resistance**	FTMS 101C 2065 - 1	N	43.4
Module of Elasticity*	ASTM D882	MPa	MD: 230 TD: 260
Heat Sealing Conditions		°C	100-120
MVTR**	DIN 53122-2-D	g/m ² /24 hrs / bar at 90% RH and 38°C	2.77

* Film properties measured on 50-micron film with a blow up ratio of 2.5

** Film properties measured on 150 - micron film with a blow up ratio of 2.5

CLEANLINESS PROPERTIES

PROPERTY MEASURED	METHOD USED	UNITS OF MEASUREMENT	TYPICAL VALUE	
Particulates	Liquid Particle Count	Particle Size	> 0.30 µm	< 100.0 per cm ²
			> 0.50 µm	<20.0 per cm ²
			> 1.00 µm	<3.0 per cm ²
IC - Test	Anions	F ⁻ Cl ⁻ Br ⁻	NO ₃ ⁻ NO ₂ ⁻ SO ₄ ²⁻ PO ₄ ³⁻	
	Found	<0.020 <0.017 <0.057	<0.014 <0.020 <0.084 <0.096	
	LLD	0.020 0.017 0.057	0.014 0.020 0.084 0.096	
	Cations	Li ⁺ Na ⁺ NH ₄ ⁺	K ⁺ Mg ²⁺ Ca ²⁺	
	Found	<0.014 <0.015 <0.121	<0.021 <0.057 <0.034	
	LLD	0.014 0.015 0.121	0.021 0.057 0.034	
	Measures given in ng/cm ²		LLD = Low Limit Detection	
VOC (Outgassing)	Global contamination as toluene equivalent			µg/g <20

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