

PRODUCT

LDPE Cleanroom Bags

600-0107

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.com or visit www.integritycleanroom.co.uk

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* 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
All cleanliness properties measured on 150 – micron film with a blow up ratio of 2.5

PROPERTY MEASURED	METHOD USED	UNITS OF MEASUREMENT	TYPICAL VALUE
GRANULE PROPERTIES			
Melt Index	ASTM D 1238	g / 10 min	0.75
Density	ASTM D2839 / D1505	g / cm ³	0.923
Crystallisation Point	ASTM D3418	°C	96
Peak Melting Temperature	ASTM D3418	°C	109
Slip/Antiblock Additive			None
Antistatic Additive			None
FILM PROPERTIES			
Film Thickness		µm	
Tensile Strength at Break*	ASTM D882	MPa	
Elongation at Break*	ASTM D882	%	
Elmendorf Tear Strength*	ASTM D1922	g/ µm	
Puncture Resistance**	FTMS 101C 2065 - 1	N	
1% Secant Modulus*	ASTM D882	MPa	
Haze	ASTM D1003	%	
Gloss, 60° Angle	ASTM D2457	%	
MVTR	DIN 54122-2-D	g/m ² /24 hrs / bar at 90% RH and 38°C	2.77
OTR	DIN 53380-3	cm ³ / m ² /day/bar	1059

CLEANLINESS PROPERTIES								
Particulates	Liquid Particle Count			Particle Size	> 0,30 µm	<20.0 per cm ²		
					> 0,50 µm	<10.0 per cm ²		
					> 1,00 µm	<3.0 per cm ²		
Ion Chromatography (ng / cm ²) LLD = Low Limit Detection	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		
VOC (Outgassing)	Global contamination as toluene equivalent						µg/g	<20
Surface Cleanliness	(Mil - STD 1246C) Level 25							

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