

BIOCLEAN CLEANROOM

Anti-static LDPE Bags

CRASBAG

About

Manufactured in a cleanroom environment from ultra-clean low-density polythene. BioClean LDPE anti-static cleanroom bags are ideal for general-purpose use, as waste bags, transportation bags or storage bags. Suitable for use within the pharmaceutical, medical, semiconductor, aerospace and many other industries.

ULTRA-CLEAN

LOW-DENSITY

ANTI-STATIC

Specifications

MATERIAL:

Low-density Polythene (LDPE)

COMPATIBILITY:

ISO Class 6

CONSTRUCTION:

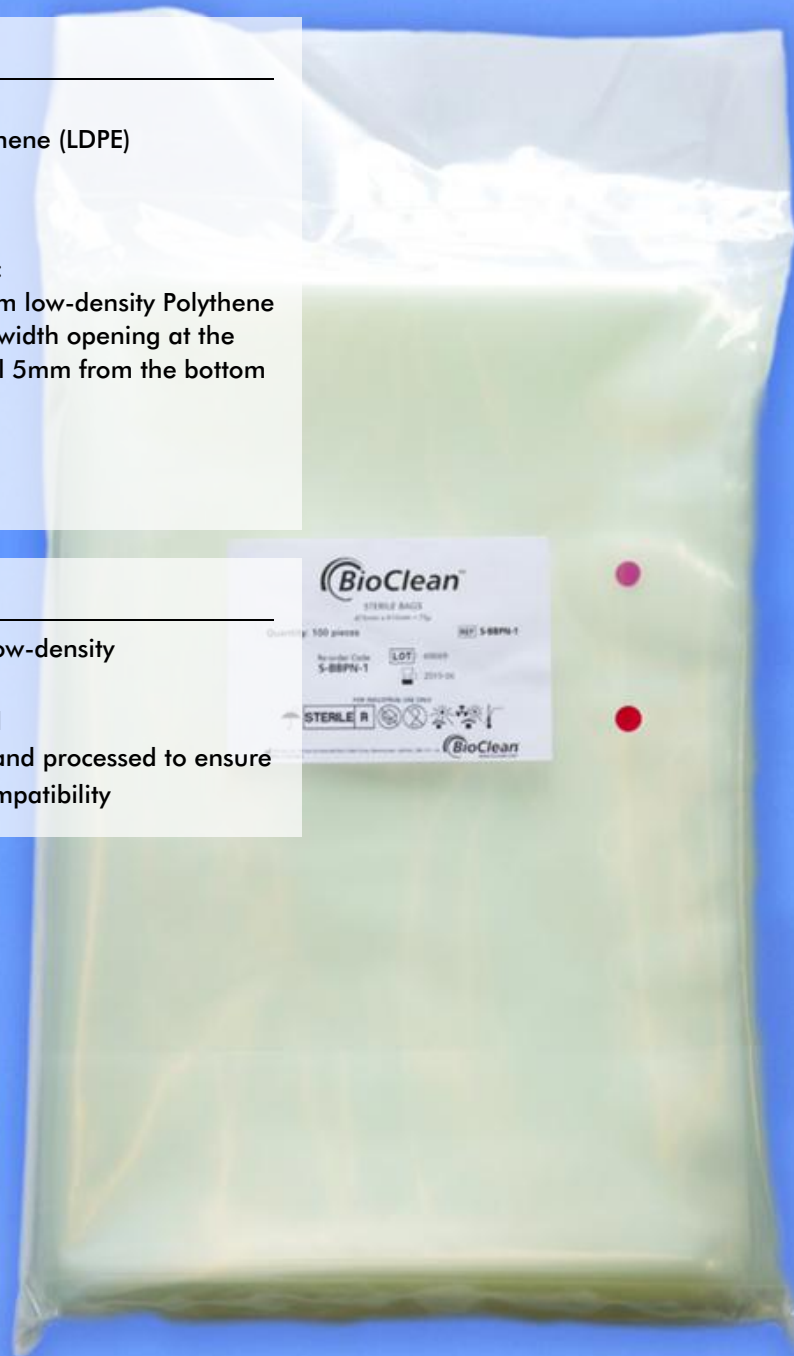
Manufactured from low-density Polythene (LDPE) with a full width opening at the top and 2mm seal 5mm from the bottom of the bag

COLOUR:

Clear

Features

- Ultra-clean & low-density
- Anti-static
- Double bagged
- Manufactured and processed to ensure ISO Class 6 compatibility



Quality Standards

- Manufactured and processed in an ISO Class 6 cleanroom

Shelf Life & Storage

Five (5) years from date of manufacture

Physical/General Properties

Property Measured	Method Used	Units of Measurement	Typical Value				
Granule Properties							
Melt Index	ASTM D 1238	gm/min @190°C, 2.16kg	0.75g/10min				
Density	ASTM D2839/D1505	g/cm ³	0.923g/cm ³				
Crystallization Point	ASTM D3418	°C	98				
Peak Melting Temperature	ASTM D3418	°C	109				
Additives	See below						
Antistatic Additive	Antistatic Masterbatch						
Film Properties							
Film Thickness	μm		60 – 300 (+/- 10% Avg)				
Tensile Strength at Break	ASTM D882	MPa	MD: 23.5, TD: 20.2				
Elongation at Break*	ASTM D882	%	MD: 350, TD: 575				
Elmendorf Tear Strength*	ASTM D1922	g/μm	MD: 4, TD: 4				
Puncture Resistance**	FTMS 101C 2065-1	N	43.4				
Module of Elasticity*	ASTM D882	MPa	MD: 220, TD: 260				
Haze	ASTM D1003	%	7				
Gloss, 60° angle	ASTM D2457	%	9				
MVTR	ASTM 1429	gm/100"sq/24hrs 100% RH and 37.8°C	Not Applicable				
OTR	DIN 53122-2-D	cm ³ / m ² /day/bar	Not Applicable				
Cleanliness Properties							
Particulates	Liquid Particle Count	>0.30 μm	<46.7 per cm ²				
Particulates	Liquid Particle Count	>0.50 μm	<9.0 per cm ²				
Particulates	Liquid Particle Count	>1.00 μm	<0.7 per cm ²				
Ion Chromatography							
Anions	F	Cl	Br	NO ₃	NO ₂	SO ₄	PO ₄
Found	<0.023	<0.030	<0.076	<0.044	<0.025	<0.100	<0.113
LLD	0.023	0.030	0.076	0.044	0.025	0.100	0.113
Cations	Li	Na	NH ₄	K	Mg ²	Ca ²	
Found	<0.024	<0.020	<0.111	<0.017	<0.039	<0.045	
LLD	0.024	0.02	0.111	0.017	0.039	0.045	
Measures given in ng/cm LLD = Low Limit Detection							
VOC (Outgassing)	Global contamination as toluene equivalent					μg/g	<20
Internal Surface Resistance	3.4 x 10e11 ohms						
External Surface Resistance	1.5 x 10e11 ohms						

* Film properties measured on 50-micron film

** 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 and melt temperature of 180°C



TO ORDER

Re-order code

CRASBAGS51X60
CRASBAGS85X100

Size

510mm x 600mm
850mm x 1000mm

Packing

CRASBAGS51X60: 100 pieces per inner PE bag; 5 inner bags per outer PE bag; one outer bag per lined carton (500 pieces)

CRASBAGS85X100: 50 pieces per inner PE bag; 2 inner bags per outer PE bag; one outer bag per lined carton (100 pieces)

For additional information visit us at www.bioclean.com, or call us at +60 3 5569 3857/3859

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