

About

Manufactured in a cleanroom environment from ultra-clean low-density polythene. Because the material is free of additives, there is no contamination from particulates, surface leaching chemicals or out-gassing. For general-purpose use, ideal as waste bags, transportation bags or storage bags. BioClean Sterile Bags are suitable for use within the pharmaceutical, medical, semiconductor, aerospace and many other industries.

Specifications

MATERIAL:

Polythene

COMPATIBILITY:

ISO Class 4 & EU GMP Grade A

COLOUR:

Clear

STERILIZATION:

Gamma irradiation

Features

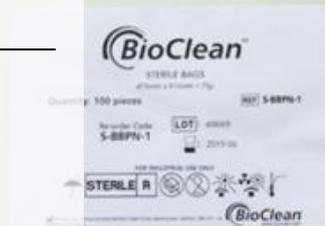
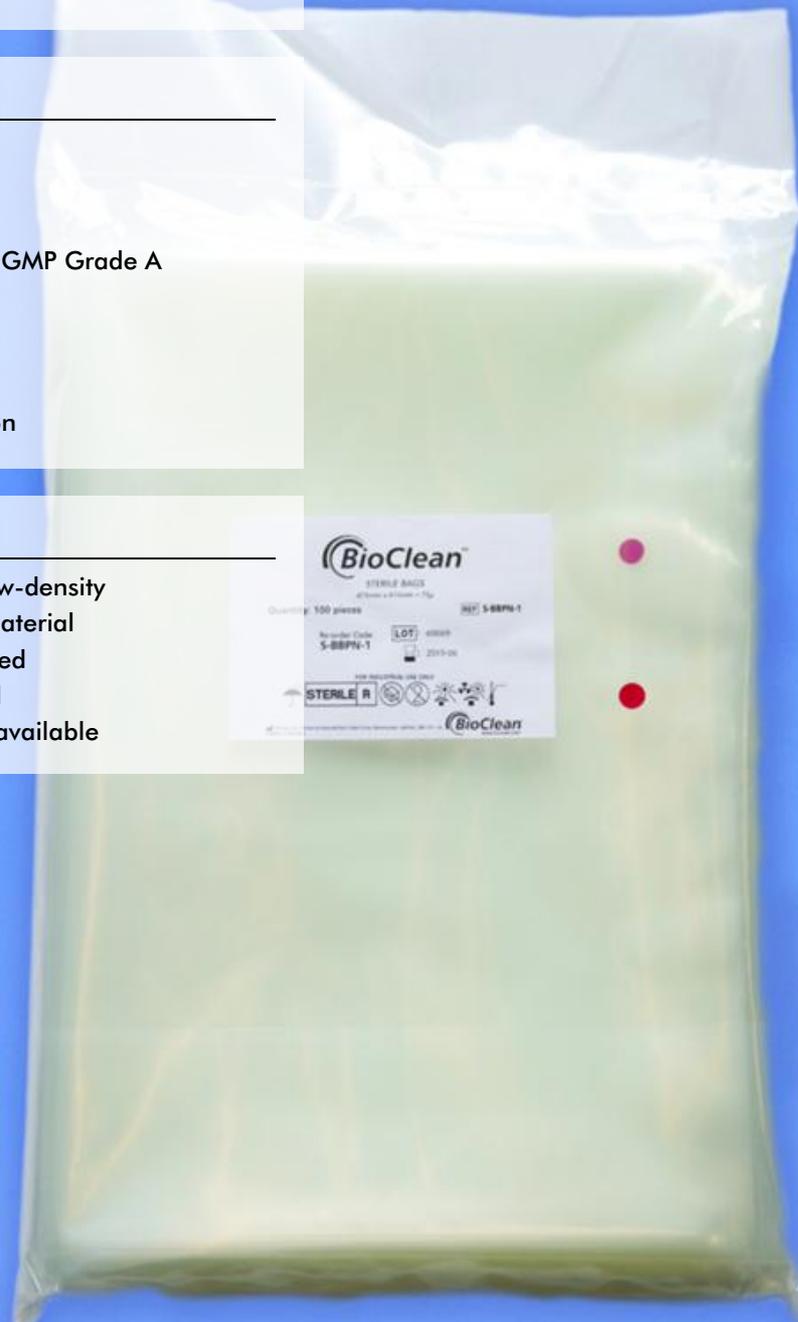
- Ultraclean & low-density
- Additive-free material
- Gamma sterilized
- Double bagged
- Range of sizes available

ULTRACLEAN

LOW-DENSITY

ADDITIVE-FREE

RANGE OF SIZES



Quality Standards

- Manufactured in a facility holding ISO 9001:2008 certification

Sterilization

Method: Gamma irradiation
 Minimum Dose: 25kGy
 Sterility Assurance Level: 10^{-6}

Shelf Life & Storage

Five (5) years from date of manufacture.
 Store in a dry, cool place (<40°C) away from direct sunlight and fluorescent light.

Physical/General Properties

Property Measured	Method Used	Units of Measurement	Typical Value
Granule Properties			
Melt Index	ASTM D 1238	g/10min	0.75
Density	ASTM D 2839/D1505	g/cm ³	0.923
Crystallization Point	ASTM D3418	°C	96
Peak Melting Temperature	ASTM D3418	°C	109
Slip/Antiblock Additive	None		
Antistatic Additive	None		
Film Properties			
Film Thickness	μm		60 – 200 (+/- 10% Avg)
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, TD: 4
Puncture Resistance**	FTMS 101C 2065-1	N	43.4
1% Secant Modulus*	ASTM D882	MPa	MD: 220, TD: 260
Haze	ASTM D1003	%	7
Gloss, 60° angle	ASTM D2457	%	9
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

Physical/General Properties Continued...

Cleanliness Properties							
Particulates	Liquid Particle Count	>0.30 μm	<20.0 per cm^2				
Particulates	Liquid Particle Count	>0.50 μm	<10.0 per cm^2				
Particulates	Liquid Particle Count	>1.00 μm	<3.0 per cm^2				
Ion Chromatography							
Anions	F	Cl	Br	NO ₃	NO ₂	SO ₄	PO ₄
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 LLD = Low Limit Detection							
VOC (Outgassing)	Global contamination as toluene equivalent					$\mu\text{g/g}$	<20
Surface Cleanliness	(Mil - STD 1246C) Level 25						
<p>* Film properties measured on 50-micron film with a blow up ratio of 2.5</p> <p>** Film properties measured on 150-micron film with a blow up ratio of 2.5</p> <p>All cleanliness properties measured on 150-micron film with a blow up ratio of 2.5</p>							

TO ORDER

Re-order code	Size
S-BBPN-1	475mm x 610mm
S-BBPN-2	980mm x 1090mm
S-BBPN-3	700mm x 980mm
S-BBPN-4	800 x 1000mm
S-BBPN-5	600mm x 600mm
S-BBPN-6	150mm x 200mm
S-BBPN-10	864mm x 1067mm
S-BBPN-11	660mm x 711mm
S-BBPN-11-25	660mm x 711mm
S-BBPN-12	508mm x 762mm
S-BBPN-12-50	508mm x 762mm
S-BBPN-13	457mm x 762mm
S-BBPN-13-100	457mm x 762mm
S-BBPN-14	254mm x 457mm
S-BBPN-15	600mm x 810mm
S-BBPN-18-20	930mm x 864mm

Packing

All BioClean Sterile Bags are double bagged.

S-BBPN-10, S-BBPN-11, S-BBPN-12, S-BBPN-13, S-BBPN-14 & S-BBPN-18-20 = 20 pcs per pack

S-BBPN-11-25 & S-BBPN-2 = 25 pcs per pack

S-BBPN-3, S-BBPN-4, S-BBPN-5, S-BBPN-15 & S-BBPN-12-50 = 50 pcs per pack

S-BBPN-1, S-BBPN-6 & S-BBPN-13-100 = 100 pcs per pack

THICKNESS;

50 μ m - S-BBPN-13, S-BBPN-13-100, S-BBPN-14

75 μ m - S-BBPN-1, S-BBPN-03, S-BBPN-04, S-BBPN-05, S-BBPN-06, S-BBPN-15

70 μ m - S-BBPN-02

125 μ m - S-BBPN-10, S-BBPN-11, S-BBPN-11-25, S-BBPN-12, S-BBPN-12-50

PLEASE NOTE:

This product is a non-stock item and all sizes are subject to a Minimum Order Quantity (MOQ) and delivery lead time. Please contact us for details.

For additional information visit us at www.bioclean.com, or call us at +44 1638 663338

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