PRODUCT DATA SHEET

LDPE Ultra Clean Cleanroom Bag



Product Description

Ultra clean Low Density Polythene bags for use in clean environments. Produced entirely in a Class 1000 (ISO Class 5) Cleanroom and supplied double bagged with a certificate of conformance. All bags are heat sealable.

100µm thickness. Available as standard in 3 sizes.

Supplied in packs of 100.

SIZES AVAILABLE:

- Small (215mm x 150mm x 100µm)
- Medium (300mm x 215mm x 100µm)
- Large (425mm x 300mm x 100µm)
- Bespoke Sizes Are Also Available

See Data over page for product properties, test methods and test results:



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LDPE Cleanroom Bag Test Data

Property Measured	Method Used				Units o Measureme	Typical Value		
Granule Properties		Used		i	Moasurenie		Value	
Melt Index	ASTM D 1238				g / 10 m	0.75		
Density	ASTM D 1230				g / cm ²	0.923		
					g/cm °C	96		
Crystallization Point	ASTM D3418				17461			
Peak Melting Temperature	ASTM D3418				°C	109		
Slip / Antiblock Additive						None		
Antistatic Additive						None		
Film Properties								
Film Thickness					μm	60 - 300 (+/- 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				Ν	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/m²/24 hrs / 90% RH and	2.77		
OTR	DIN 53380-3			4	cm³/m²/day	1059		
Cleanliness Properties								
Particulates	Liquid Particle Count			1.11	Particle > 0,30 µm size > 0,50 µm > 1,00 µm		<20.0 per cm ² <10.0 per cm ² <3.0 per cm ²	
	Anions	F	CI	Br	NO3	NO2	SO4	PO4
	Found	<0.020	<0.017	< 0.057	< 0.014	< 0.020	< 0.084	<0.096
lon	LLD	0.020	0.017	0.057	0.014	0.020	0.084	0.096
	Cations	LI*	Na	NH4	к*	Mg ⁴	Ca	
Chromatography	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 De							mit Detection
VOC (Outgassing)	Global contamination as toluene equivalent							<20
Surface Cleanliness	(Mil – STD 1246C) Level 25							

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

