



STATCLEAN TECHNOLOGY (S) PTE. LTD.

30 Kaki Bukit Road 3, # 03-12/13/14, Empire Technocentre, Singapore 417819.

Tel: 65-6746 2706 Fax: 65-6746 3045 / 65-6746 3755

Email: sales@statclean.com Website: www.statclean.com

PHYSICAL/ TECHNICAL DATA SHEET

Product Name	Class 100 Cleanroom Nylon PE Bag (STNYB)		
Material	Clean Nylon and Low Density Polyethylene		
Color Availability	Transparent		
Cleanroom Compatibility	Flexible bags are manufactured in Certified Class 10 and Class 100 Cleanroom Bags are double packed in Cleanroom packing bags and shipped in lined carton boxes.		
Quality Standards	Manufactured in ISO Certified facilities. Each outgoing Lot has been tested and proven compliance to cleanliness requirements, accompanied by internal LPC report. AQL: 0.65		
Thickness Availability	Customized thickness from 60micron to 200micron		
Width Availability	Customized width from 4 inches(100mm) to 20 inches (510mm)		
Film Composition	Polyethylene/ Nylon/ Polyethylene		
Optional Features	Anti-static surfaces		
Physical Properties	Test Method	Unit	Value
Bursting Strength	FTMS191-C Method 5122	lbs/ inch.sq	min. 100
Tensile Strength	ASTM D882-83	psi	7000(MD)
		psi	6500(TD)
Tear Strength	ASTM D1004-66 NOTCH	lbs	5(MD)
		lbs	4.5(TD)
Puncture Resistance	FTMS101C Method 2065.1	lbs	>22
Heat Seal Strength	ASTM D-1876-72	lbs/inch.width	>10
Moisture Vapor Transmission Rate	D1003	g/100inch.sq	<0.1
Oxygen Transmission Rate	D2457	cc	<0.1
Water Resistance	FTMS101-C Method 3028 Proc.F		No delamination
Delamination	FTMS101-C Method 3015		No leakage, embrittlement
Static Decay @ 15%	FTMS 101B, Method 4046	sec	<1.5



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CLEANLINESS REPORT SHEET

Typical cleanliness values

Liquid Particle Count	Specification: 100counts/ cm.sq Typical value: 50count/ cm.sq [Particle size 0.5micron]
Ionic Contamination	Fluoride <0.001 ug/sq.cm
	Chloride <0.001 ug/sq.cm
	Bromide <0.005 ug/sq.cm
	Nitrate <0.005 ug/sq.cm
	Phosphate <0.005 ug/sq.cm
	Sulphate <0.005 ug/sq.cm
Non-Volatile Residue	Typical value: 0.30 ug/ cm.sq
Silicon Oil	Undetectable
Amide Slip Agent	Undetectable
Phthalate (DOP)	Undetectable

Recommended Applications:

This range of ultra-clean barrier film is ideal for protecting products from oxidation and corrosion caused by oxygen and moisture vapor. The material makes it perfect for vacuum packing.

Hard Disk Drive Value Chain, Semiconductor, Precision Metal, Plastic Moulding, Pharmaceutical, Medical Devices, OEMs.

NOTE:

The specifications in this data sheet are subjected to possible changes due to our continuous improvement programs.

The buyer or user shall be responsible for deciding the suitability of the product for his/ her intended use.