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Class 1000 Cleanroom HDPE Film/Bag

This is a modified high density heat sealable, flexible with high stiffness, low particulate, amines, amides, silicone and halides free plastic film/bag for packaging where Cleanroom use is needed.

Property	Typical Value 0.10mm ± 0.01mm (0.09mm to 0.11mm)	Test Method
Density	0.935 gm/cc	D1505
Elongation, MD	240%	ASTM D882
Elongation, TD	370%	ASTM D882
Tensile Strength, MD	2,600 psi	ASTM D882
Tensile Strength, TD	2,700 psi	ASTM D882
Seal Strength	> 13 lbs	ASTM F88
Puncture Resistance	30N	MIL-STD 3010-2065
MVTR	0.15g/100in ² /24hours at 100°F, 90% relative humidity	ASTM F1249
Outgassing	3,000ng/cm ²	Media Industry Test Method
Ionic Contamination	-	-
Chloride, Cl	< 10 ng/cm ²	Media Industry Test Method
Sulphate, SO ₄	< 10 ng/cm ²	Media Industry Test Method
Nitrate, NO ₃	< 20 ng/cm ²	Media Industry Test Method
Amide, Amine and Silicon	Not detected	FTIR
NVR	< 4.5 µg/cm ²	Media Industry Test Method
LPC (test inside of bag) 0.5µm	0.5µm 1000 Counts/cm ²	Hand Shake 5X

Note: Test sample 0.10mm thick

This specifications in this data sheet are subject to possible change due to our continuous programme of material improvement. Buyer or user shall be responsible for deciding the suitability of the product for his intended use. The film properties have been measured on 100µm film.