



CFB 5000 Nylon Cleanroom Packaging

Whether moving ultra-sensitive semiconductor parts or medical supplies, Nylon Cleanroom Packaging provides some of the most sterile and durable packaging available.

Cleanroom Film & Bags has a long history in providing Nylon solutions to our clients and has now significantly expanded our operations to meet increased demand. With our newest addition, we are now one of the country's leading Nylon Cleanroom Packaging manufactures.

[Talk to a Nylon specialist](#)

What is Nylon Cleanroom Packaging?

Nylon Cleanroom Packaging is a super-durable and sterile heat-sealable plastic film that can be used for the long-term packaging of critical parts. An unplasticized, FDA approved food-grade clear film, Nylon offers very low ionic contamination and non-volatile residue. It can withstand elevated temperatures, resists oil and gas, helps to prevent friction tears, and is extremely puncture resistant.

Nylon has excellent oxygen and moisture barrier properties and is ideal for any packaging that needs protection from outside elements.

Applications include:

- Semiconductor and other electronics
- Pharmaceuticals
- Medical Devices
- Automotive

cleanroomfilm.com/nylon



Nylon Use Cases

Pharmaceutical

When a pharmaceutical company creates a new vaccine or drug, they rely on cleanroom packaging to ensure everything has been shipped to the consumer without risk of contamination. Among the many advantages and applications of Nylon Cleanroom Packaging, perhaps this is the most important and, literally, lifesaving.



Electronics

There are many computer components that should not be touched by bare skin. Memory modules, graphics cards, processors, and other parts need to be held with gloved hands and transported carefully. Nylon Cleanroom bags are often used by industries working in electronics to ship and house their most precious cargo. Since it is less abrasive than LDPE, Nylon is often the first layer of protection for semiconductor goods and products.

Automotive

In the automotive industry, parts from around the world come together to build an incredibly intricate machine. For a car to run at its safest and most efficient, it is imperative that none of the parts are in any way damaged. A stray hair or finger grease on the wrong item could create problems down the road. To avoid these challenges, the automotive industry frequently uses cleanroom packaging to store and ship their parts.



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MATERIAL	Nylon 6	
AVAILABLE AS	Lay-flat tubing, Sheeting, C-fold Sheeting & Bags	
CLARITY	Transparent	
THICKNESS	.002	
PROPERTIES	VALUE	SPECIFICATION
Density (Specific Gravity)	1.14	ASTM D 1505
Tensile Strength @ Break (PSI) (1 mil)	17,200-20,600	ASTM D 882
Water Vapor Transmission Rate gm/100sq. in./24hrs/90% R.H., 100°F	36.5	ASTM F1249
Oxygen Transmission Rate (1 mil):		ASTM F1927
• 50% R.H., 73°F	1.85	
• 90% R.H., 73°F	6.35	
Cleanliness	LVL 50 & LVL 100	IEST-CC-1246 NASA JPG 5322.1