



CFB

CLEANROOM FILM & BAGS

A division of Flexible Packaging.

Leaders in Cleanroom Packaging Innovation



Case Study: Aerospace CFB Packaging Strong Enough for Outer Space

The mission: Far outside our solar system and beyond the distant reaches of our galaxy—in the vast nothingness of space—the distance between gas and dust particles grows, limiting their ability to transfer heat. Temperatures in these vacuous regions can plummet to about -455 degrees Fahrenheit (2.7 kelvin).

The challenge: Develop a material that can withstand the cryogenic-like rigors of outer space, while still maintaining its properties during normal conditions on earth. Deliver a product that provides excellent barrier resistance while offering the highest levels of clarity.

The solution: CFB7000 SERIES: Hydroblock® PCTFE

HydroBlock is a standout product among other high-performance films in areas such as moisture barrier, clarity, chemical resistance, durability, and extreme low-temperature performance. It is also one of the clearest industrial-grade polymeric moisture barrier films available on the market.

This film is commonly used where the highest levels of clarity, moisture barrier, and durability in harsh situations are desired. It's the only homopolymer that combines traits of clarity with moisture protection, and chemical and weather resistance. HydroBlock stands up to UV transmission without degrading the quality of the film. This is very important when sending a product into space. These bags have been used for a variety of applications on shuttles, including storage of food, liquids, samples, and waste.

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Materials

Our resins are pure from the start and contain ZERO additives like "slip" and "anti-block."



Polyethylene



Nylon



Tubing



Hydroblock



Static Shield

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Questions about which material is right for your application?

Call our product experts at 714.744.8361
or email us at sales@cleanbags.com