

Food Grade Flow Wraps

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The push is on. The leading consumer products companies have set goals to have more sustainable packaging by 2025 or sooner. One of the more logical efforts is to convert flow wrapped products from plastic to paper based. All the majors are working on paper coated options that work on existing product line equipment.

To ensure safety and quality, and to protect consumers' health, food packaging must be reliable and consumer friendly. For a paper-based food packaging product to be successful, it must be coated to perform additional functions. The most common functions of coatings are barriers. The added packaging feature is fast heat sealing of coating.

Solutions from Sierra



As a key supplier of packaging solutions for several major food brands, Sierra Coating Technologies LLC has been proudly providing companies with high-quality, reliable coatings for years. Over time, we've seen various shifts in coating requirements and consumer demands.

Paper coatings were traditionally composed of either wax or specialized poly blends. While these types of coatings are still very common, the food industry as a whole is starting to move to newer options as consumer demand rises for eco-friendly packaging solutions and more brand owners maintain "sustainability scorecards" for their packaging. As alternative options become more accessible, new advances in paper coating technologies are allowing companies to move away from traditional wax and poly coatings.

Sierra has been at the forefront of these changes. Through our work with clients, as well as our own research and development efforts, Sierra has created several FDA-approved paper coatings for the food packaging industry, including a

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barrier-coated paper that allows for high-quality printing.

What Solution Do You Need for Your Food Package?

Our ecofriendly coatings feature properties that are often required for food packaging. These properties can be combined based on your food product requirements:

- Compliance with FDA guidelines
- Water resistance
- Suitable moisture vapor transmission rate (MVTR) permeability
- Grease and oil resistance
- Heat stability
- Freeze-thaw resistance
- Non-stick, easy release
- Chemical inertness

Industry-Leading Coatings for Packages

By creating industry-leading coatings for water, oil, or oxygen — including coating solutions that use up to 30% less material than traditional poly extrusions — Sierra has helped food-packaging printers maintain a competitive



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edge in today's changing landscape. With recyclability and repulpability options, our coatings also satisfy consumers' mounting sustainability concerns.

To learn more about our capabilities, or to talk with an expert about how Sierra can help with your food packaging needs, contact us today.