How ASTER Advances Discount Food-Grade Polyurethane Adhesive Supply Through Safety, Performance and Cost Efficiency





GANZHOU, JIANGXI, CHINA, September 4, 2026 /EINPresswire.com/ -- As food packaging manufacturers face increasing pressure to improve product safety, production efficiency and cost control, the selection of an appropriate adhesive has become an increasingly important part of flexible packaging production. For converters working with lightweight films, aluminum-plastic structures, retort packaging and specialized food containers, polyurethane adhesive solutions need to provide reliable bonding while supporting efficient manufacturing processes. Against this background, ASTER is strengthening its position in the polyurethane adhesive market by combining product development, application-specific engineering and cost-conscious manufacturing solutions.

ASTER is a brand of Guangdong Yihao Chemical Technology Co., Ltd., a company founded in 2012 in Shantou, Guangdong, China. The company specializes in the research and development, production, sales and service of polymer polyester, polyurethane and polyurethane adhesives. Its products under the “Yihao” and “ASTER” brands are supplied to markets in China and multiple international regions, including Thailand, Malaysia, Indonesia, Vietnam, Myanmar, Russia and Türkiye. The company has also established overseas branches in several of these markets, supporting its international

sales and service network.

Addressing the Cost Challenge in Food Packaging Adhesives

For food packaging producers, adhesive selection is not simply a matter of purchasing the lowest-priced material. The overall cost of an adhesive can also be influenced by production efficiency, compatibility with existing equipment, bonding stability, curing performance and the ability to reduce production problems. A cost-effective adhesive therefore needs to balance material economics with operational performance.

ASTER's food packaging adhesive portfolio reflects this approach. Its lightweight adhesive for food flexible packaging is designed for different lightweight food and fast-moving consumer goods applications, including snacks, baked goods and confectionery. The solution supports dry, flexographic and solvent-free lamination processes, allowing manufacturers to select a suitable bonding approach according to their production equipment and packaging structures. The product is positioned around bonding reliability, operational convenience and production cost optimization.

This product strategy provides an important perspective on the market for a Discount Food-Grade Polyurethane Adhesive Supplier. Rather than treating discount pricing as the only competitive factor, suppliers can create greater value by helping manufacturers control total production costs through adaptable formulations, efficient processing and stable bonding results.

Food Safety as a Core Performance Requirement

Food-contact packaging places stricter demands on adhesive materials than many general industrial applications. Adhesive selection must take into consideration factors such as migration, odor, appearance and the integrity of multilayer structures.

ASTER's functional food flexible packaging adhesive is developed for applications involving aluminum-plastic lamination, multilayer structures, high-temperature retort and hot filling. According to the company, the product complies with relevant safety standards for food-contact adhesives and is designed without migration of toxic and harmful substances, odor or discoloration. It supports both dry and solvent-free lamination processes.

These characteristics demonstrate how ASTER approaches food-grade adhesive development from an application perspective. Instead of focusing solely on bonding strength, the company considers the broader requirements of food packaging production, including sealing performance, appearance quality, processing convenience and safety.

The company's yogurt and milk powder can lid film adhesive follows a similar application-specific approach. It is designed for can lid film production involving deep drawing and high-temperature sterilization and is intended for aluminum-plastic multilayer structures. ASTER states that the product meets relevant food-contact adhesive safety requirements and is designed to avoid migration of toxic and harmful substances, odor and discoloration.

Performance for Demanding Packaging Applications

Performance requirements can vary significantly depending on the packaging structure and manufacturing process. Lightweight snack packaging may prioritize process flexibility and

production efficiency, while retortable food packaging requires stronger resistance to elevated temperatures and demanding processing conditions.
ASTER addresses these differences with specialized adhesive formulations. Its high-temperature-resistant adhesive for food flexible packaging is designed for aluminum-plastic structures and offers retort performance at 135°C for 40 minutes. The product also features high initial tack, high peel strength and a soft adhesive layer intended to support the appearance of laminated products.
Such application-specific development can be particularly relevant for manufacturers seeking to optimize production without replacing established equipment. By offering adhesive solutions compatible with different lamination processes and packaging structures, ASTER can support manufacturers in selecting products according to their technical requirements rather than relying on a one-size-fits-all adhesive.
The broader ASTER product portfolio also covers adhesives for pharmaceutical flexible packaging, metal packaging film lamination, household appliance panels, photovoltaic backsheets and soft-pack lithium battery films. This range demonstrates the company's experience across multiple multilayer composite applications and polymer-based bonding technologies.

Manufacturing Infrastructure and Quality Management

Behind product performance is the ability to maintain consistent manufacturing and quality control. In 2022, Yihao Chemical established Jiangxi Yihao Chemical Technology Co., Ltd. in Ganzhou, Jiangxi, with a production base designed around automation, intellectualization and informatization. The company states that the facility implements ISO 9001, ISO 45001 and ISO 14000 management systems, while incorporating environmental, health and safety considerations into its production and operational processes.
ASTER also maintains research and testing capabilities supported by equipment including mass spectrometers, liquid chromatographs, gas chromatographs, infrared spectrometers, electron microscopes, viscometers, micro-moisture analyzers, universal testing machines and heat sealers. These capabilities provide technical support for product development, quality evaluation and application testing.
The company further reports that its R&D team includes doctors and post-doctors, alongside experienced production, quality-control and global sales teams. This combination allows ASTER to connect formulation development with manufacturing requirements and customer application needs.

Expanding the Role of a Cost-Efficient Adhesive Supplier

The development of food packaging adhesives is increasingly moving toward a balance between safety, technical performance and manufacturing economics. For packaging companies, the most valuable supplier is not necessarily the one offering the lowest quoted price, but the one capable of delivering stable products that fit existing processes and help reduce unnecessary production costs.
ASTER’s portfolio reflects this broader definition of cost efficiency. Its food flexible packaging adhesives are developed for multiple lamination processes, while specialized products address

retort, hot filling, multilayer aluminum-plastic structures and food can lid applications. This application-oriented approach enables packaging manufacturers to evaluate adhesive solutions based on actual production requirements.

For buyers searching for a Discount Food-Grade Polyurethane Adhesive Supplier, ASTER therefore represents a supplier model centered on the combination of competitive cost considerations, food packaging safety, bonding performance and technical adaptability. Its manufacturing infrastructure, international presence and diversified product portfolio provide additional support for customers seeking long-term adhesive supply rather than a short-term purchasing solution.

As food packaging continues to evolve toward lighter materials, more complex multilayer structures and higher processing requirements, adhesive suppliers will face growing expectations for both technical reliability and cost efficiency. ASTER's continued focus on polyurethane adhesives, polymer materials, application-specific formulations and international service positions the company to respond to these changing requirements.

For more information about ASTER's food-grade polyurethane adhesive solutions, product portfolio and application capabilities, visit the official website: ASTER Official Website

Guangdong Yihao Chemical Technology Co., Ltd.
Guangdong Yihao Chemical Technology Co., Ltd.
+8675488696929 ext.
yihao-bright@qq.com

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