XIADE Advances Transparent Cellulose Film Solutions as a Top Transparent Cellulose Film Supplier In China



SHAOXING, ZHEJIANG, CHINA, September 16, 2026 / EINPresswire.com/ -- As packaging manufacturers and brand owners seek alternatives to conventional fossil-based films, the question of how to combine material performance with environmental considerations has become increasingly important. As a Top Transparent Cellulose Film Supplier In China, XIADE is developing regenerated cellulose film solutions based on natural cellulose materials, supporting packaging applications that require transparency, flexibility, printability and biodegradability. Its product range and manufacturing capabilities position transparent cellulose film as part of a broader shift toward plant-based packaging materials.

Cellulose Film Gains Attention as Packaging Requirements Evolve

Packaging is undergoing a significant transition as environmental policies, material efficiency and product safety become increasingly important considerations. These developments are encouraging manufacturers to examine materials beyond conventional petroleum-based plastic films. Cellulose-based materials have attracted attention because cellulose can be obtained from renewable plant resources and can provide a combination of functional and environmental characteristics.

Transparent regenerated cellulose film is particularly relevant where packaging needs to remain visually clear while providing practical protection. XIADE develops cellulose film using natural polymer plant materials, primarily wood pulp and cotton pulp, through regenerated cellulose technology. The resulting film is designed to combine optical clarity with mechanical

performance and biodegradability under appropriate conditions.



XIADE Builds Its Cellulose Film Portfolio Around Practical Applications

Rather than limiting cellulose film to a single packaging format, XIADE's product portfolio covers several material configurations. Its regenerated transparent cellulose film is available in both rolls and sheets, providing options for different packaging processes.

The transparent film is characterized by high transparency and gloss, allowing packaged products to remain visible. It also provides tensile strength, flexibility, tear resistance and stable friction characteristics, which are relevant to packaging operations and transportation. The material is compatible with printing, lamination and heat-sealing processes, depending on the selected film structure and application requirements.

For applications requiring additional functional performance, XIADE also provides coated cellulose film. Coating can enhance properties such as moisture and oxygen barrier performance while maintaining the fundamental characteristics of cellulose film. Coated options are intended for applications including dried foods, confectionery, bakery products, tea and coffee packaging, pharmaceutical overwrapping and luxury gift packaging.

The portfolio further includes colored cellulose film, aluminized cellulose film and biodegradable cellulose-based tapes. This broader material range allows cellulose to be adapted to different requirements instead of being treated as a single-purpose packaging material.

Performance Remains Central to Sustainable Material Selection

Environmental characteristics alone are not sufficient for packaging materials used in commercial production. Film needs to perform consistently during converting, printing, sealing, wrapping, storage and transportation.

XIADE's transparent cellulose film is designed around this balance. The material offers natural transparency, good mechanical strength and stable twistability, while its surface characteristics support automated packaging processes. The company also identifies anti-static and heat-

resistant properties among the functional characteristics available for relevant cellulose film solutions.

The material's barrier characteristics also expand its potential applications. Transparent cellulose film can provide resistance to air, oils, greases and bacteria, while its natural breathability can be beneficial for selected food applications. These properties make it relevant to products where visibility and material functionality need to work together.

For applications involving direct food contact or sensitive products, compliance is another important consideration. XIADE states that its regenerated transparent cellulose film meets EU food contact material standards and is produced under ISO 9001 and ISO 14001 certified systems. Such requirements are increasingly relevant as packaging supply chains become more internationally regulated.

Manufacturing Capacity Supports Consistent Film Supply

A sustainable material solution also needs an industrial foundation capable of supporting commercial demand. XIADE operates as the international business window of Shaoxing Kede New Materials Co., Ltd., drawing on the manufacturing and research capabilities of its associated production base.

The company was established in 2006 and operates with two factories and nine automated production lines. Its manufacturing infrastructure covers a broad range of film specifications, while the stated annual production capacity reaches 40,000 tons. The company also reports a technical research and development team of more than 40 members and a production area of approximately 60,000 square meters.

For transparent cellulose film, the production range includes different grammages, thicknesses and widths. The company's product options covering approximately 20–60 g/m² and 14–30 μm, with production widths ranging from 1,000 to 1,800 mm for relevant regenerated cellulose film products. These specifications provide flexibility for different converting and packaging requirements.

Customization Extends the Role of Transparent Cellulose Film

Packaging applications often differ in terms of thickness, width, surface treatment, color and sealing requirements. A standardized film may therefore not be suitable for every production line.

XIADE provides customization of thickness, size, color and coating, alongside options such as non-silicone treatment and enhanced anti-static performance. Slitting can also be customized, with a minimum slitting width of 50 mm for relevant products.

This approach is particularly relevant for manufacturers transitioning from conventional films. Instead of changing an entire packaging system, material specifications can be adjusted around existing production requirements where technically appropriate. XIADE also provides technical guidance related to machine runnability and heat-sealing parameters, as well as sample support for material evaluation.

Applications Extend from Food Packaging to Industrial Uses

Food packaging remains one of the key application areas for transparent cellulose film. Its combination of visibility, barrier performance and printability makes it suitable for confectionery, baked goods, fresh produce and other packaged foods. Breathability can also be useful in applications where moisture management is important.

Medical and pharmaceutical packaging represents another application area. XIADE identifies regenerated cellulose film for medical packaging, including applications involving medical supplies, sterile products and related packaging formats. Its non-toxic and odorless characteristics, together with stated food-contact compliance, support consideration in applications where material safety is important.

Industrial applications include packaging for fireworks, automotive hoses and cables. In these scenarios, characteristics such as anti-static protection, insulation, flexibility and wrapping performance can become more important than appearance alone. The company also identifies applications in cosmetics, electronics, fashion and textile packaging.

International Demand Creates Further Opportunities for Cellulose Film

The development of cellulose film is taking place within a wider movement toward bio-based and lower-impact materials. The European Commission has identified bio-based materials as part of the transition toward a more circular economy, while research initiatives continue to explore cellulose-based packaging as an alternative to conventional fossil-derived materials.

At the same time, the market is becoming more performance-oriented. Packaging manufacturers increasingly need materials that can meet environmental expectations without compromising production efficiency, product protection or visual presentation. This creates opportunities for regenerated cellulose films with tailored barrier, sealing, printing and mechanical characteristics.

XIADE's international orientation reflects this development. Its cellulose film products are exported to Europe, North America, the Middle East, Southeast Asia and other markets, connecting its manufacturing capabilities with a diverse range of packaging requirements.

A Material Approach Combining Sustainability and Functionality

The development of transparent cellulose film is ultimately not only about replacing one packaging material with another. It involves balancing renewable raw materials, product protection, processing requirements, regulatory considerations and end-use performance.

XIADE's approach centers on regenerated cellulose film supported by established manufacturing capacity, research and development, customized specifications and multiple application formats. From transparent rolls and sheets to coated, colored and aluminized cellulose films, the product portfolio reflects the increasing need for materials that can be adapted to specific packaging and industrial conditions.

As packaging regulations and sustainability objectives continue to influence material selection, transparent cellulose film is likely to remain an area of interest for manufacturers looking to reduce dependence on conventional fossil-based films while retaining functional packaging performance. XIADE's ongoing development in this field provides a manufacturing and technical foundation for applications across food, medical, industrial and other packaging sectors.

More information about XIADE's regenerated cellulose film products, applications and material solutions is available at https://www.xiadecn.com/.

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