Top TPU Film Manufacturer Expands Advanced Material Solutions for Diverse Industries

YANTAI, SHANDONG, CHINA, September 16, 2026 /EINPresswire.com/ --

As demand for flexible, durable, and versatile polymer materials continues to expand across automotive, medical, footwear, textile, packaging, and industrial applications, Yantai Leo Economics & Trade Co., Ltd. is strengthening its presence in the thermoplastic polyurethane film sector. Operating under the Leo New Material name, the company focuses on the research, development, production, and international supply of TPU-based materials and films, providing solutions designed to meet the changing requirements of manufacturers and downstream industries.

Thermoplastic polyurethane, commonly known as TPU, has become an increasingly important material for applications that require a combination of elasticity, wear resistance, flexibility, and durability. Unlike many conventional plastic films, TPU can be engineered for different physical characteristics depending on the intended application. This versatility has helped drive its adoption in products ranging from footwear and garments to medical materials, automotive components, protective films, and laminated products.

Against this industry background, Yantai Leo Economics & Trade Co., Ltd. has developed a product portfolio centered on TPU film and related polyurethane materials. According to information published on the company's official website, the company was established in 2015 and specializes in the research, development, and production of TPU film. Its operations include a branch office in Yantai Industrial Park, with workshops located in the Yangtze River Delta and Pearl River Delta regions.

The company's approach reflects the increasingly diversified role of TPU materials in modern manufacturing. TPU film can be used in lamination, textiles, footwear, furniture, mattresses, medical applications, automotive products, packaging, garments, and outdoor clothing. Such a broad application range requires manufacturers to pay close attention to material characteristics, processing requirements, thickness, hardness, transparency, elasticity, and environmental performance.

One of the material categories associated with Yantai Leo Economics & Trade Co., Ltd. is TPU Resin. The company offers several TPU Resin solutions intended for different applications,

including materials for hot-melt adhesives, solvent-based adhesives, TPU film, lay-flat and fire hoses, pneumatic tubes, sealing rings, shoe soles, and other products. This product range demonstrates the role of TPU resin as an upstream material that can be adapted to different downstream manufacturing processes.

For film manufacturers and converters, the characteristics of the underlying resin can have a significant influence on the final product. Resin selection can affect flexibility, strength, transparency, processing behavior, and resistance to environmental conditions. By supplying TPU Resin alongside finished film products, a material supplier can address requirements at different stages of the manufacturing chain.

The company's TPU film portfolio includes products developed for both general industrial and specialized applications. Its published product information describes TPU films with characteristics such as elasticity, wear resistance, hydrolysis resistance, and weather resistance. Depending on the formulation and intended use, the company offers different film types, including polyether-based and polyester-based TPU films as well as films for footwear, garments, medical products, and other applications.

Another important area of the company's business is PPF Film. Paint Protection Film has become an increasingly recognized application for TPU-based materials in the automotive sector. PPF is designed to form a protective layer over painted vehicle surfaces, helping reduce the effects of stone chips, road debris, minor abrasions, and other everyday exposure.

Yantai Leo Economics & Trade Co., Ltd. offers PPF Film products based on TPU, including transparent automotive protection film. Its published product information identifies TPU as the material and describes applications for vehicle body protection. The company's PPF portfolio includes different forms of automotive protective film, while its website also highlights properties such as scratch resistance, elasticity, self-healing performance, and resistance to weather-related effects.

The development of TPU-based PPF reflects a wider trend within the automotive aftermarket. Vehicle owners and professional detailing businesses increasingly seek protective materials that can preserve the appearance of painted surfaces while remaining visually unobtrusive. Transparent protective films can allow the original finish to remain visible while creating an additional surface layer between the paint and external environmental exposure.

Material performance is particularly important in this application. A protective film needs to combine flexibility with sufficient durability while maintaining appearance over time. According to the company's published product information, its TPU PPF products are positioned around characteristics including transparency, UV protection, scratch resistance, elasticity, and self-healing performance.

Beyond automotive applications, the company's broader TPU material portfolio reflects the

growing use of polyurethane films in specialized sectors. Medical applications, for example, can require films with specific flexibility, hydrolysis resistance, comfort, and other material properties. Yantai Leo's product range includes TPU medical films for applications such as air mattresses, medical devices, and medical bed covers.

Footwear is another established application area for TPU film and resin. TPU materials can be incorporated into shoe uppers, soles, decorative components, and bonding processes. The company's portfolio includes TPU film for shoes as well as TPU Resin for shoe soles, providing products that address both film-based and resin-based manufacturing requirements.

The same material flexibility also creates opportunities in textiles and outdoor clothing. TPU films can be laminated with fabrics to provide additional functional characteristics, making them useful in applications where manufacturers need a balance between flexibility and protection. Yantai Leo's website identifies textiles, garments, outdoor clothing, and lamination among the product application areas served by its materials.

Quality management is another important consideration for suppliers serving international customers. According to its company profile, Yantai Leo Economics & Trade Co., Ltd. operates under an ISO 9001 quality management system and lists certifications and standards including OEKO-TEX Standard 100, CE, SGS, RoHS, and REACH among its quality credentials. These certifications and standards are relevant to different aspects of material quality, product safety, and market requirements, although their applicability varies by specific product and application.

The company also emphasizes international market development. Its official website states that its products have been supplied to customers across the Asia-Pacific region, Southeast Asia, North America, Europe, North Africa, and South Africa. This international orientation reflects the cross-border nature of the TPU materials industry, where film and resin manufacturers frequently serve converters, distributors, OEMs, and finished-product manufacturers in multiple markets.

For international buyers, the ability to source different material categories from one supplier can provide practical advantages. A customer involved in automotive applications, for example, may require PPF Film, while a footwear manufacturer may have a greater need for TPU Resin or shoe-related TPU films. By maintaining multiple product categories, Yantai Leo Economics & Trade Co., Ltd. can address different purchasing requirements within the wider polyurethane materials market.

Customization is also becoming increasingly relevant as manufacturers seek materials suited to specific processing conditions and product designs. TPU films can vary according to thickness, width, hardness, transparency, formulation, and application. The company's published product information includes customizable specifications for selected TPU film products, reflecting the importance of application-oriented material selection.

This product diversity is supported by the company's manufacturing and service structure. Its official profile describes activities covering research and development, design, processing, sales, and after-sales service. The company also highlights transportation access through its manufacturing presence in major Chinese industrial regions, including locations connected to Shanghai and Shenzhen ports.

As industries continue to pursue materials that combine performance with design flexibility, TPU is expected to remain an important option for manufacturers working across multiple sectors. Automotive protection, medical products, footwear, textiles, outdoor equipment, packaging, and industrial applications all present different requirements, creating opportunities for specialized material suppliers to develop increasingly application-specific solutions.

Yantai Leo Economics & Trade Co., Ltd. has built its business around this diversified market environment. Its combination of TPU Resin, TPU film products, PPF Film, hot-melt adhesive films, medical films, and other polymer materials allows the company to participate in several stages of the material supply chain. Rather than limiting its activities to a single application, the company continues to expand its product offering around the broader possibilities of polyurethane-based materials.

From an industry perspective, the development of TPU materials is closely linked to the evolution of downstream manufacturing. As automotive protection, smart textiles, medical products, footwear, and industrial components require increasingly specialized materials, suppliers with experience in formulation, film processing, application development, and international distribution can play an important role in supporting manufacturers.

With its established focus on TPU materials and an expanding portfolio of film and resin products, Yantai Leo Economics & Trade Co., Ltd. continues to develop its position in the global polyurethane materials market. Its emphasis on product diversity, application development, quality management, and international service provides a foundation for continued cooperation with customers seeking TPU-based material solutions.

Company Profile

Yantai Leo Economics & Trade Co., Ltd., also known as Leo New Material, was established in 2015 and specializes in the research, development, production, and supply of TPU film and related polyurethane materials. The company operates a branch office in Yantai Industrial Park and maintains workshops in the Yangtze River Delta and Pearl River Delta regions. Its product portfolio includes TPU Film, TPU Resin, PPF Film, PU Film, Hot Melt Adhesive Film, Medical Film, TPU Sheet, TPEE Film, PTFE Film, and other polymer material solutions.

The company serves applications spanning lamination, textiles, footwear, furniture, mattresses, medical products, automotive products, packaging, garments, and outdoor clothing. Its TPU

Resin range includes materials for adhesives, films, hoses, sealing rings, and shoe-related applications, while its PPF Film portfolio focuses on automotive paint and body protection.

With an international customer base and a focus on product development, quality management, and technical service, Yantai Leo Economics & Trade Co., Ltd. continues to provide TPU-based material solutions for manufacturers and distributors in different markets. More information about the company, its products, and its capabilities is available at [www.leo-newmaterial.com].

Address: Zhichu Industrial Zone,Yantai City,Shandong Province,China.
Official Website: https://www.leo-newmaterial.com/

Mr.lee
Yantai Leo Economics & Trade Co., Ltd.
lee@leo-newmaterial.com

This press release can be viewed online at: https://www.einpresswire.com/article/942677988

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.
© 1995-2026 Newsmatics Inc. All Right Reserved.