Five Reputable PA66 GF30 Manufacturers in China 2026: Advancing Reinforced Material Performance

An Overview of PA66 GF30 Materials, Glass Fiber Reinforcement and Industrial Applications



Logo for WanHan Plastic

CALIFORNIA, CA, UNITED STATES, September 30, 2026 / EINPresswire.com/ -- HUIZHOU, GUANGDONG, China, September 30, 2026 — China's engineering plastics industry continues to strengthen its supply of glass-fiber-reinforced polyamide compounds for automotive, electrical, industrial and other demanding applications. Among these materials, polyamide 66 reinforced with approximately 30% glass fiber, commonly designated PA66 GF30, remains an important material option where stiffness, strength, heat resistance and dimensional stability are required in injection-molded components.

In September 2026, a PA66 resin price index published by Business Analytiq reported Northeast Asian prices at approximately US$2.95 per kilogram and North American prices at US$3.48 per kilogram. The price difference reflects the role of regional supply conditions in the engineering plastics market, while downstream demand continues to support the use of reinforced nylon compounds.

Against this industry backdrop, five China-based companies active in engineering plastics and modified polymer materials are highlighted: Guangdong Wanhan New Material Technology Co., Ltd., operating under the WanHan Plastic brand; Suzhou Xinyite Plastic Technology Co., Ltd.; Haining Huabang Technology Co., Ltd.; Suzhou Huashda Engineering Plastic Co., Ltd.; and

Guangdong Shunde Shunyan New Materials Co., Ltd.

Five China-Based Engineering Plastics Manufacturers

1. Guangdong Wanhan New Material Technology Co., Ltd. — WanHan Plastic
As a manufacturer focused on modified engineering plastics, Guangdong Wanhan New Material Technology Co., Ltd., operating under the WanHan Plastic brand, provides a broad portfolio of reinforced and application-oriented polymer compounds from Huizhou, Guangdong.

The company traces its business history to 2005 and operates from No. 3 Xingqi East Road, Dongxing District, Dongjiang Science and Technology Park, Zhongkai High-tech Zone, Huizhou City, Guangdong Province. According to company information, its facility covers approximately 3,275 square meters and has 56 employees, including 12 engineers in research and development.

Within its engineering plastics portfolio, WanHan Plastic offers PA66-WHG30A, a 30% glass-fiber-reinforced PA66 compound designed for injection molding. The published technical data lists a tensile strength of 175 MPa under ISO 527-2, flexural strength of 255 MPa and flexural modulus of 7,000 MPa under ISO 178, notched impact strength of 18 kJ/m² under ISO 179, heat deflection temperature of 220°C under ISO 75-2/B, melt flow index of 20 g/10 min under ISO 1133, density of 1.38 g/cm³ under ISO 1183 and molding shrinkage of 0.5% under ISO 2577.

The company identifies these figures as typical technical data for material evaluation rather than guaranteed specification limits. This distinction is relevant when Glass Filled PA66 is selected for components where molding conditions, moisture conditioning, fiber orientation and part geometry can affect final performance.

WanHan Plastic also offers PA66-WHRG30A, a flame-retardant grade for applications requiring additional fire-performance characteristics. Its technical documentation states a UL 94 V-0 classification, with the applicable specimen thickness to be confirmed against the current grade-specific report. The wider product portfolio includes PA66 GF25 and other glass-fiber-reinforced nylon formulations, as well as PA66 GF33, PA6 GF30, PBT GF30, carbon-fiber-reinforced materials and other modified engineering plastics.

The company's portfolio also includes Heat Stabilized PA66, flame-retardant compounds, low-warpage formulations and high-performance reinforced materials for application-specific requirements. For demanding applications, its material development activities cover areas such as heat resistance, dimensional stability, mechanical strength, hydrolysis resistance, flame performance and processing behavior.

For automotive applications, the company's reinforced nylon portfolio is relevant to applications such as PA66 GF30 for Automotive Parts, particularly in structural and under-the-hood

components where mechanical strength and heat resistance are required. In electrical and electronic applications, formulations for PA66 GF30 for Electrical Connectors can address requirements related to dimensional stability, flame performance and mechanical integrity.

WanHan Plastic states that its modified plastic pellet production capacity can reach up to 5,000 metric tons per month for PA66 GF30, subject to production scheduling. It also reports a minimum order quantity of 5 kg and a custom-grade lead time of approximately 7–10 days. The company reports an export ratio of around 70% and customers in more than 30 countries.

Its management systems include ISO 9001:2015 quality management, ISO 14001:2015 environmental management and ISO 45001:2018 occupational health and safety certification, with the stated certification scope covering the design and production of modified plastic pellets and related management activities.

For application-specific projects, WanHan Plastic states that it can provide material selection, formulation adjustment and processing support based on customer requirements and service conditions. This approach enables its PA66 GF30 portfolio to address different combinations of mechanical, thermal, dimensional and processing requirements rather than treating the GF30 designation as a single universal material specification.

2. Suzhou Xinyite Plastic Technology Co., Ltd.

Suzhou Xinyite Plastic Technology Co., Ltd. is a Suzhou-based plastics technology company involved in the engineering plastics sector. Public company information identifies the business as a manufacturer and supplier of plastic materials and modified polymer products.

Its position in the market reflects the broader development of China’s modified engineering plastics industry, where reinforced nylon compounds are supplied for applications requiring higher stiffness, strength and thermal performance than unfilled polymers. Specific material grades and technical specifications should be confirmed through the company’s current product documentation for individual applications.

3. Haining Huabang Technology Co., Ltd.

Haining Huabang Technology Co., Ltd. is based in Haining, Zhejiang Province, and operates in the technology and materials sector. Its business activities include engineering plastic and modified material products serving industrial applications.

The company represents another segment of China’s growing modified polymer supply base,

where material formulations are developed for different combinations of mechanical performance, processing characteristics and application requirements. Product selection remains grade-specific, particularly for reinforced PA66 compounds used in demanding molded components.

4. Suzhou Huashda Engineering Plastic Co., Ltd.

Suzhou Huashda Engineering Plastic Co., Ltd. is an engineering plastics company based in Suzhou, Jiangsu Province. Its business focuses on engineering plastic materials and modified polymer solutions for industrial applications.

Engineering plastics suppliers in this segment increasingly serve applications in automotive components, electrical equipment, machinery and other molded products where material properties need to be matched with processing conditions and end-use requirements. The company forms part of this broader supplier landscape in China's engineering plastics market.

5. Guangdong Shunde Shunyan New Materials Co., Ltd.

Guangdong Shunde Shunyan New Materials Co., Ltd. is based in Shunde District, Foshan, Guangdong Province, and operates in the new materials and modified plastics sector.

The company contributes to the regional manufacturing base for polymer materials in Guangdong, one of China's important manufacturing centers for plastics processing and downstream industrial production. Its activities are relevant to the wider supply chain for modified engineering plastics used across industrial and consumer-product applications.

PA66 GF30 and the development of reinforced engineering plastics

PA66 GF30 combines a polyamide 66 base resin with approximately 30% glass fiber reinforcement. The reinforcement can significantly increase stiffness, tensile strength and dimensional stability compared with unfilled PA66, while also influencing flow behavior, shrinkage and fiber orientation during injection molding.

These characteristics have helped PA66 GF30 for Automotive Parts become an important material category for automotive components exposed to mechanical loads and elevated temperatures. Similar requirements occur in electrical and electronic applications, where PA66 GF30 for Electrical Connectors can be considered when mechanical stability, insulation-related requirements and flame performance need to be balanced.

At the same time, the market extends beyond a single GF30 formulation. PA66 GF25 can provide a different balance between reinforcement and processing behavior, while PA66 GF33 offers a higher nominal glass-fiber loading. Other modified formulations include Flame Retardant PA66, Heat Stabilized PA66, High Toughness PA66 GF30 and Low Warpage PA66 GF30, each addressing different combinations of application and processing requirements.

For applications requiring higher specific stiffness or alternative reinforcement characteristics, Carbon Fiber Reinforced PA66 provides another engineering-material route. The appropriate formulation depends on the component design, service temperature, mechanical loading, dimensional requirements, processing conditions and applicable compliance requirements.

Market outlook

The continued use of PA66 in automotive, electrical and industrial applications provides a stable foundation for the development of reinforced nylon compounds in China. Global PA66 production was reported at approximately 2.7 million metric tons in 2023, while more than 40% of the polymer was associated with under-the-hood automotive applications in the referenced market data.

Rather than representing a single standardized material, the PA66 GF30 category is developing into a broader family of formulations differentiated by reinforcement level, stabilization, flame performance, toughness, dimensional-control characteristics and other application-specific modifications.

For compound manufacturers, this trend places greater emphasis on formulation development, consistent processing characteristics and application-oriented technical support. For material users, grade selection increasingly depends on matching the compound with the actual component design and operating environment.

As demand for reinforced engineering plastics continues across automotive, electrical and industrial applications, WanHan Plastic is expanding its modified material portfolio around application-specific requirements, including mechanical performance, thermal stability, flame resistance and dimensional control. Its PA66 GF30 and related engineering-plastic formulations form part of the company’s ongoing focus on supplying customized material solutions to manufacturing markets in China and overseas.

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