

Statistical Bulletin

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Taiwan's exports of woven fabrics of glass fibers reached a record high in 2025, surging 40% amid rising AI-driven demand.

1. Glass fibers—including yarn, chopped strands, and rovings—are vital industrial raw materials characterized by high strength, dimensional stability, and insulating properties. They are widely used in the electronics industry, construction, shipbuilding, and sporting goods manufacturing. Woven fabrics of glass fibers (hereafter referred to as “glass fiber cloth”), produced by weaving glass fiber yarns, serve as a key component of printed circuit board (PCB) substrates. According to surveys conducted by the Ministry of Economic Affairs, the production volumes and values of glass fiber cloth and glass fibers in Taiwan have been declining since 2022. This trend mainly reflects adjustments in the global electronics industry cycle and intensified market competition resulting from overseas capacity expansions. However, as products have increasingly shifted toward thinner, lighter, and higher value-added specifications, production values have rebounded over the past two years. During the first 11 months of 2025, the production value increased by 17.6% for glass fiber cloth and 7.5% for glass fiber (year-on-year in NT\$ terms), with the production value of glass fiber cloth hitting a 19-year high for the same period.

Production of Glass Fibers and Glass Fiber Cloth in Taiwan

Product (Code)	Glass Fibers (2313000)					Glass Fiber Cloth (1123010)				
	Production		Production			Production		Production		
	Volume (10,000 ton)	Annual Change Rate (%)	Value (NT\$100 Million)	Annual Change Rate (%)	US\$ Million	Volume (10,000 ton)	Annual Change Rate (%)	Value (NT\$100 Million)	Annual Change Rate (%)	US\$ Million
2020	21.6	-9.9	98.6	-23.2	333.4	9.6	-17.6	138.6	-10.7	468.6
2021	26.4	22.0	137.7	39.6	491.2	11.3	17.7	151.4	9.2	540.4
2022	23.8	-9.8	132.8	-3.5	446.1	8.3	-26.7	128.1	-15.4	430.3
2023	17.4	-26.9	95.9	-27.8	307.9	6.5	-21.7	115.0	-10.3	369.0
2024	15.8	-9.3	94.2	-1.8	293.2	6.1	-5.6	143.2	24.5	445.9
Jan. – Nov. 2025	12.6	-12.5	91.8	7.5	294.9	5.5	-2.5	155.2	17.6	498.4

Data Source: Industrial production, shipment & inventory statistics survey, Ministry of Economic Affairs.

Notes: 1. The production process of glass fiber cloth is similar to that of the textile industry; therefore, its industrial classification differs from that of glass fiber manufacturing.

2. Production values are converted into US\$ using the annual average exchange rates released by the Central Bank.

2. Based on Taiwan's CCC under heading 7019, “Glass fibers and articles thereof,” isolating woven fabrics shows that while export volumes of both glass fibers and glass fiber cloth have declined in recent years, export values began to recover in 2024. In particular, exports of glass fiber cloth reached US\$352.4 million in 2025, marking a record high and a year-on-year increase of 39.9%. This growth indicates a shift toward higher-performance products with greater technical thresholds. The surge was primarily driven by the expansion of applications for artificial intelligence (AI) servers and advanced semiconductor manufacturing, which in turn boosted demand for high-frequency, high-speed circuit boards and IC substrates. The rising demand for high-end glass fiber cloth has led to tight market supply, further pushing up product prices. The supply-demand balance is projected to remain tight through 2026; meanwhile, domestic manufacturers are actively expanding high-end production lines, which is expected to help sustain export momentum. In terms of export destinations, glass fiber cloth exports are concentrated within the East Asian electronics manufacturing supply chain, with Mainland China accounting for the largest share at 57.3% in 2025, followed by Japan (17.5%) and South Korea (12.5%). Exports of glass fibers are mainly destined for the United States and Europe, which together have accounted for approximately 60% of total exports over the past two years.

Taiwan's Exports of Glass Fibers and Articles Thereof														
	Glass Fibers							Woven Fabrics of Glass Fibers						
	Export Volume		Export Value		Market Share (%)			Export Volume		Export Value		Market Share (%)		
	(10,000 ton)	Annual Change Rate (%)	(US\$ Million)	Annual Change Rate (%)	U.S.A.	Europe	Japan	(10,000 ton)	Annual Change Rate (%)	(US\$ Million)	Annual Change Rate (%)	Mainland China	Japan	South Korea
2020	13.5	-0.4	165.4	-13.2	24.9	20.0	11.7	3.5	-24.2	241.8	-4.8	40.5	24.4	9.2
2021	16.9	25.6	240.6	45.5	22.5	21.3	8.6	4.3	23.5	294.9	21.9	41.6	23.9	7.1
2022	15.2	-10.1	228.9	-4.9	30.6	28.9	9.9	2.8	-35.5	233.4	-20.9	44.6	24.8	6.6
2023	11.9	-22.1	165.2	-27.8	31.8	17.2	13.0	2.1	-25.4	210.8	-9.7	48.8	19.3	9.2
2024	11.6	-2.4	165.7	0.3	33.9	26.1	11.6	1.7	-18.1	251.9	19.5	52.6	18.8	9.0
2025	10.4	-10.0	170.1	2.6	35.8	22.2	14.2	1.6	-7.6	352.4	39.9	57.3	17.5	12.5

Data Source: Trade statistics, Customs Administration, Ministry of Finance.
 Note: Woven fabrics of glass fibers include CCC (Customs Import Tariff and Import and Export Commodity Classification) codes 701940, 701951, 701952, 701959, 701961, 701963, 701964, 701965, 701966, 70196990, 70199020, and 7019909012; all other items under heading 7019 are classified as glass fibers.