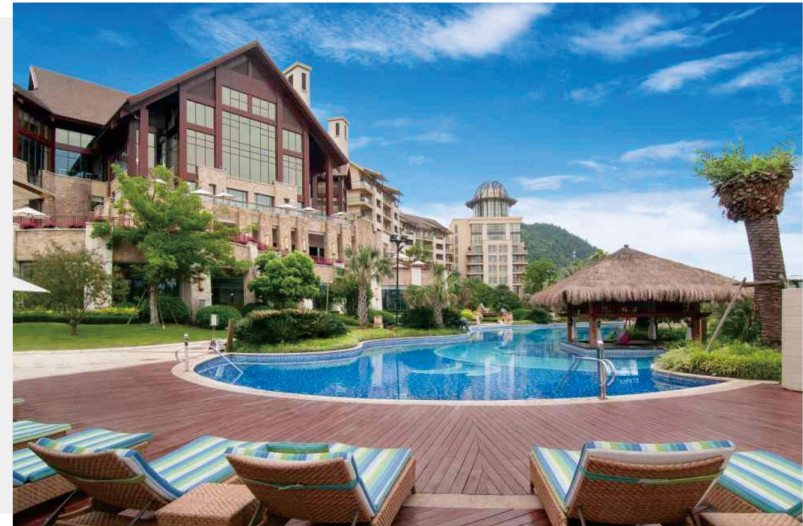




OPEN MOLDING

FIBERGLASS INTEGRATED SOLUTION



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Company Website QR Code

2022 Revision First Edition

GLASS FIBER SOLUTION EXPERT



INNOVATIVE COMPOSITE MATERIAL TOWARDS THE GREEN FUTURE



COMPANY PROFILE

Chongqing Polycomp International Corporation (hereinafter referred to as "CPIC" or "the Company"), established in 1991, is an important pillar of Yuntianhua Group Co., Ltd. in the new glass fiber material industry. As a high-tech enterprise with the core business of R&D, production and sales of glass fibers and composite materials, CPIC focuses on new high-performance materials and is committed to developing high-performance products with stable quality and continuous innovation, so as to provide customers with valuable services and application solutions.



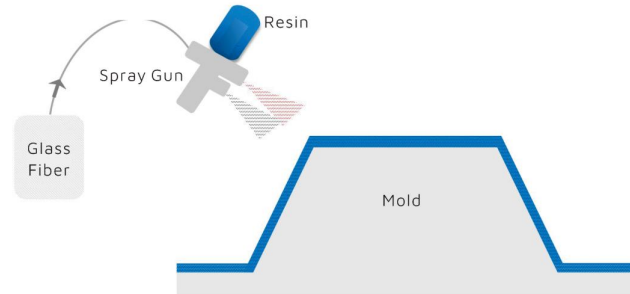
As a reinforcing material for composite materials, glass fiber has the characteristics of lightweight, high strength, durability, and environmental friendliness. It is widely used in wind power blades, photovoltaic bracket frames, automobiles and rail transit, electronic appliances, electrical insulation, building materials, doors and windows, industrial pipes and tanks, aerospace and other important fields. In more than 30 years of continuous development, CPIC now has 12 production bases and 18 glass fiber furnace production lines around the world, with an annual production capacity of more than 1 million tons of glass fiber, ranking third nationally and fourth globally in terms of production capacity. The core business areas such as emission reduction and 5G communication are in a leading position globally. The company's marketing network spreads all over the world, and it has established trading subsidiaries in the United States, the Netherlands and Hong Kong SAR of China. Its products are sold in dozens of countries and regions around the world, and it has established long-term and stable strategic cooperative relations with international well-known enterprises such as General Electric, DuPont, BASF, Siemens Gamesa, Vestas, Huawei, Zhuzhou Times New Material Technology, Sinoma Science & Technology and Kingfa Science & Technology.

Through years of exploration and efforts, CPIC now has a number of inventions and practical patents including ECT, TM, and TM+. The main products have passed Germanischer Lloyd (GL), Lloyd's Register of Shipping (LR), and U.S. Food and Drug Administration (FDA) certification. Since its establishment, CPIC has successively won many honors, such as China Grand Award for Industry, National Intellectual Property Advantage Enterprise, China Patent Excellence Award, China Famous Brand Product, National Key New Product, Chongqing Outstanding Innovative Enterprise, Chongqing Science and Technology Progress First Prize and many other honors.

In the light of the development idea of Yuntianhua Group, which takes "fertilizers and modern agriculture, glass fiber and composite materials, fine chemicals and new materials" as its main business and "building a green industry group with global influence" as its vision, CPIC takes the initiative to adapt to the new normal of economic development, continuously deepens the development strategy of "intensive industrial cultivation, sophisticated manufacturing, market precision, and refined management", optimizes the international production capacity layout and proactively extends the industrial chain, strives to develop new glass fiber products with high technology and environmental friendliness, comprehensively enhances its core competitiveness, and makes continuous efforts toward the goal of becoming the enterprise with the most valuable glass fiber and composite material in the world.

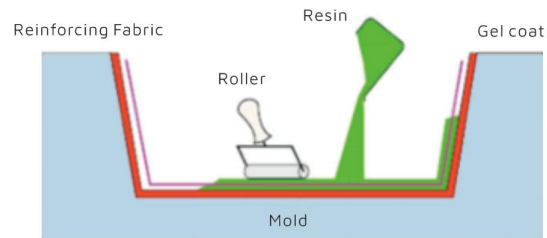
Process

Description



Spray Molding: Glass fiber is cut by a spray gun and mixed with the resin. Driven by compressed air, the mixture is sprayed evenly on the surface of the mold (Gel coated layer on the mold). After glass fiber is wet out in the resin and the air is released by roling, it is cured to be formed.

Process Application Fields: bathroom, swimming pool, FRP ship, chemical storage tank



Hand lay-up Molding: Lay several layers of glass fiber reinforcing materials such as glass fiber felt, woven roving and weaving fabric, and resin on the mold to the required thickness, roll to remove air and cure and mold at room temperature (or heating).

Process Application Fields: Ships, automobiles, chemicals, wind energy, sports equipment

Product

Profile

E-glass Fiber Assemble Roving for Spray Molding



Product code

ECT 10A - 2400

- Glass type
- Sizing Code
- Linear Density Tex

Product Introduction

CPIC E-glass fiber for spray molding is made of a multi- end roving by roving winder. With special sizing agents and manufacturing processes selected in the production process, the product is suitable for matrix resins such as unsaturated polyester resins (UP) and vinyl resin (VE). The product is made of fluorine-free and boron-free ECT glass, with excellent corrosion resistance and high mechanical properties. The product is widely used in building materials, ships, the petrochemical industry, and other fields.

Product Features

- Silane coupling agent, excellent wettability and foaming performance
- Special sizing agent is used.
- Good wet out
- Easy to cut, evenly dispersed, good lay down, and good moldability.

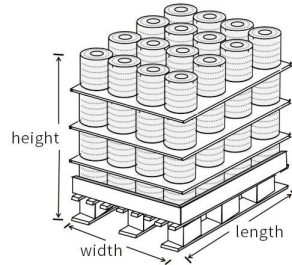
Product Catalog

Product Code	Typical Linear Density	Applicable Resin	Product Characteristic	Typical Applications
10A			Moderate wet out, suitable for automatic spraying up	Bath room products
10K	2400 3200 4800	Unsaturated Polyester	Fast wet out, good fiber molding attachment, no rebound	Boat casing, automotive parts, pipes, and tanks
101B			Fast wet out, good cuttability, good compatibility with resin, and high mechanical strength	Centrifugal casting pipe

Package

Specification

Assemble roving packaging method (see Table I for pallet size)



Pallet Size Table I (Note: The following roll weights are for reference only, and the sales contract shall prevail)

Net weight of each roll (kg)	Nominal size of bobbin (mm)			Rolls/layer	Layers/pallet	Rolls/pallet	Pallet size (mm)	Weight (kg) /pallet
	outer diameter	inner diameter	height					
17-19	280	100	260	16	3	48	1140x1140x940	816-912
				16	4	64	1140x1140x1200	1088-1216
22-24	310	100	260	12	3	36	1260x970x940	792-864
				12	4	48	1260x970x1200	1056-1152

Application

Area



Bath Room



Swimming pool



Yacht

05 System Solution Expert in Glass Fiber Manufacturing



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CLOSED MOLDING FIBERGLASS INTEGRATED SOLUTION

PULTRUSION FIBERGLASS INTEGRATED SOLUTION

PIPE & TANK FIBERGLASS INTEGRATED SOLUTION

PANEL FIBERGLASS INTEGRATED SOLUTION

MAT & FABRIC FIBERGLASS INTEGRATED SOLUTION

WIND ENERGY PRODUCTS FIBERGLASS INTEGRATED SOLUTION

THERMOPLASTIC PRODUCTS INTEGRATED SOLUTION

OTHER PROCESS FIBERGLASS INTEGRATED SOLUTION