



AS
大通工业园



Zhangjiagang QingChenYu Machinery CO.,LTD is located near the 220 National Road, 50 kilometers away from Jinan International Airport, 300 kilometers away from Tianjin Port Qingdao Port, with fast and convenient transportation and unique geographical advantages. All along, the company attaches great importance to and



actively promotes its leading advantages in industrial technology; it is one of the manufacturers specializing in the production of rotomolding products in mainland China. The company has introduced the earliest rotomolding technology and technology in Europe. R & D efforts and after-sales service capabilities have won the trust of the majority of users.

The company is a member unit of China Dredging Association and a high-tech unit. The company has strong technical force, sophisticated production equipment, advanced manufacturing technology, coupled with the application of modern scientific and technological achievements and good services, and strives to provide customers with higher quality products and engineering construction levels. The main products are various types of floating bodies, buoys, buoys, buoys, our company's products are mainly used in large-scale dredging pipeline projects such as ports, oceans, rivers, and land reclamation. The products are now used in major dredging projects at home and abroad. As a professional manufacturer of dredging floats and polyethylene plastic floats, the company provides customers with fast and professional integrated solutions, no matter from the initial design and planning, to the selection and construction of materials, and even engineering supervision and control, We will provide a full range of services. Shandong Binzhou Juhua Rubber and Plastic Products Co., Ltd. is committed to further developing new products, committed to the globalization of China's rotational molding industry, committed to a win-win situation for customers and manufacturers, and adheres to customer needs as the first element. Adhering to innovation is not only the innovation of products, but also the innovation of serving the industry, and also the innovation of a sense of responsibility and honor for the rotomolding industry!



COMPANY PROFILE

企业简介

QING CHEN YU

THE DEVELOPMENT OF ROTOMOLDING PROCESS



In the plastic process, there is a molding method, that is, rotational molding. Rotational molding, also known as rotational molding, rotational molding, rotary molding, etc., is a plastic hollow molding method.

Rotational molding, at first it was only used as a supplement to starting, blowing, and squeezing. With the development of polyethylene powder technology in lanes, it has gradually become a widely used type of plastic molding technology.

In recent years, its development speed is relatively fast. The development of the entire paint management is relatively complete. In addition to the rotomolding machine manufacturer and the rotomolding product manufacturer, there are also a considerable number of other professional auxiliary factories, such as the rotomolding mold manufacturer, the release agent production factory. The production of pigments for rotomolding Factory, mill factory, insert factory and mixing equipment factory suitable for rotomolding, as well as many raw material supply factories for rotomolding and so on. In general, the development and research of the rotomolding process in the rotomolding market started later than those in Europe and America. In the middle and late 1990s, after some companies introduced rotomolding equipment and technology from abroad, they began to realize large-scale industrial production in the true sense of the word. According to statistics, there are thousands of rotomolding products enterprises: in terms of raw materials, PE is the main product of rotomolding products.

However, after more than 20 years of development, the rotational molding process has basically matured and is different from other processes and has prospects. At present, it can be seen that it has the ability to process large-scale hollow plastic products, the production and application of plastic products are constantly expanding, and the rolling mechanism has developed rapidly. It should be said that the rotational molding industry has formed a complete industrial model for the application of raw materials, equipment, molds and products.

The rotational molding technology has great vitality and is a process worthy of attention. The paint molding process should be given good attention, and the rotational molding process should be used to produce various plastic parts. Actively digest and absorb technology, and increase research on related processes, equipment and molds.

ROLL MOLDING TECHNOLOGY

“

Rotational molding, also known as rotational molding, is to put a quantitative powder resin into a cold mold, and the rotomolding machine drives the mold to revolve and rotate slowly around two mutually perpendicular axes, while heating with an external heating source. Mold, so that the resin powder is melted and uniformly coated on the entire surface of the inner cavity of the mold by its own gravity, and finally a hollow product is obtained after cooling and demoulding.



ROTATIONAL MOLDING PROCESS CHARACTERISTICS

1. The cost of short rolling molds is low: for products of the same size, the cost of rotational molding molds is much lower than that of blow molding and injection molds.
2. The edge strength of rotational molding products is good. Solve the problem that the edge of the product in the middle chamber is thin.
3. Rotomolding can place various inserts.
4. The shape of the rotomolding product can be complex.
5. The rotomolding can produce a fully enclosed product.
7. There is no need to adjust the mold, and the wall thickness of the rotomolded product can be adjusted freely.

● PRODUCT INTRODUCTION



WhatsApp +86-139-622-92-365

Rotational molding is to first add plastic raw materials into the mold, and then the mold is continuously rotated along two vertical axes and heated, so that the plastic raw materials in the mold are gradually uniformly coated and melted and adhered to the mold under the action of gravity and thermal energy. The entire surface of the cavity is formed into the desired shape, then cooled to shape, demolded, and finally the product is obtained.

SHELL MATERIAL

LINEAR LOW DENSITY POLYETHYLENE (LLDPE) RESIN IS CALLED THE THIRD GENERATION POLYETHYLENE. IN ADDITION TO THE PROPERTIES OF GENERAL POLYOLEFIN RESINS, ITS TENSILE STRENGTH, TEAR STRENGTH, ENVIRONMENTAL STRESS CRACK RESISTANCE, LOW TEMPERATURE RESISTANCE, HEAT RESISTANCE THE PERFORMANCE AND PUNCTURE RESISTANCE ARE PARTICULARLY SUPERIOR.



INFILL

THE CHARACTERISTICS OF POLYURETHANE FOAM ITSELF: LIGHT WEIGHT, HEAT INSULATION, HEAT PRESERVATION, WATERPROOF, FIRE AND CORROSION RESISTANCE, ABRASION RESISTANCE, OIL RESISTANCE, FATIGUE RESISTANCE, VIBRATION RESISTANCE AND STRONG ADHESION.



WhatsApp +86-139-622-92-365



WhatsApp +86-139-622-92-365

PRODUCT INTRODUCTION



Filling process of this product: The polyurethane rigid foam is combined with polyether and polymerized MDI and cyanate ester, which are mixed and pressed with a high-pressure mixing foaming machine. Fill the inside of the pontoon housing to the full.

Main Specifications

| project | Shell performance index | project | Internal performance indicators |
|---------------------|-------------------------|----------------------------|---------------------------------|
| Tensile Strength | >12Mpa | water absorption | <2g/100c m ³ |
| Elongation at break | 10.1% | Breaking strength | 0.08-0.18Mpa |
| Impact strength | >31.4KJ/m ² | Elongation at break | 4-6% |
| Bending strength | >15.7Mpa | compressive strength | 0.18-0.24Mpa |
| specific gravity | 0.93 | heat resistant temperature | -60°C-----+120°C |



● PRODUCT INSTALLATION



Installation instructions: Put any piece of floating body arc face down and put the HDPE pipe on the floating body. Then take any piece of floating body and buckle it on the pipe. Fix it with gaskets and bolts. Align the flange hole of the rubber hose with that of the HDPE pipe, pass the bolt through the flange hole, and tighten the nut to fix it.



bandage



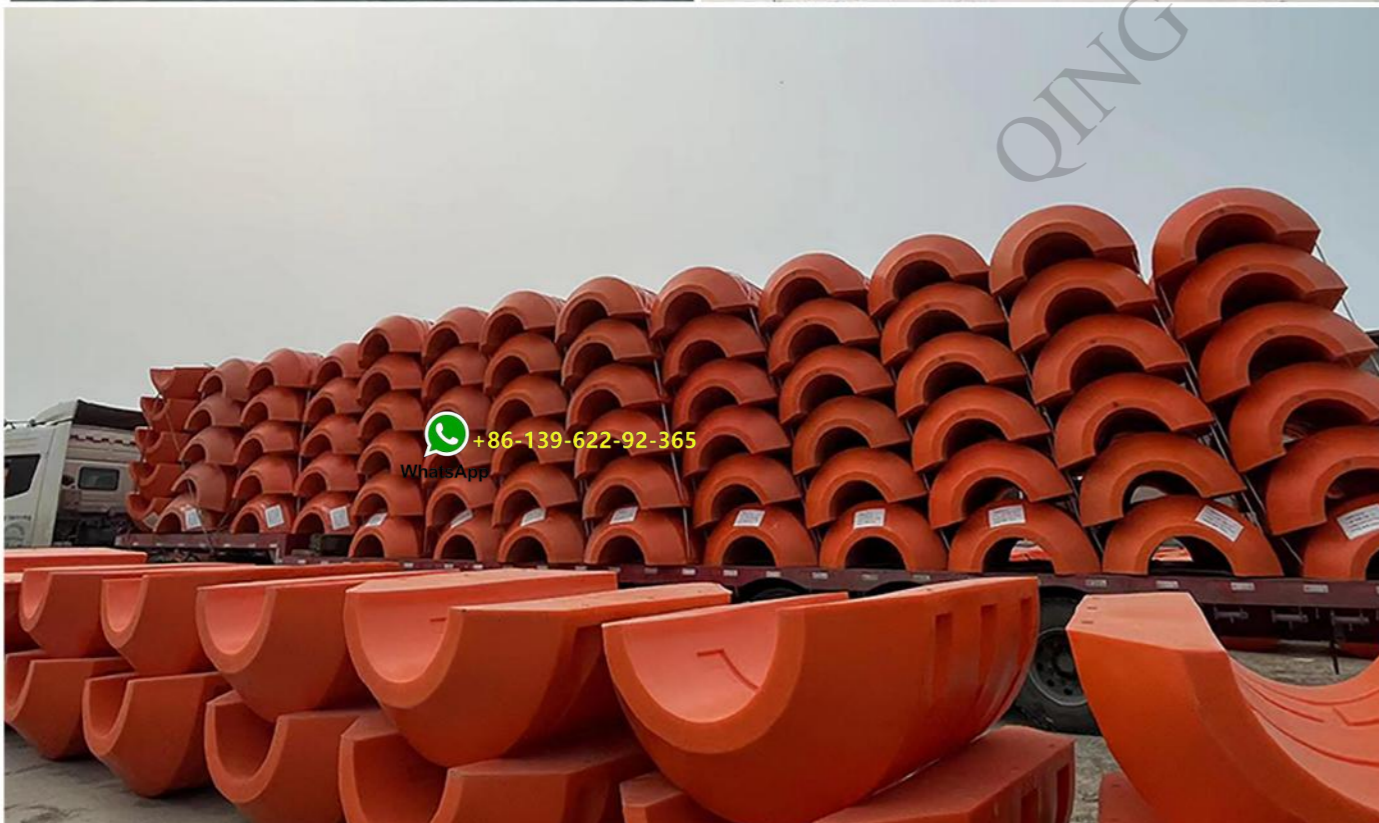
parts



ENGINEERING CASE



ENGINEERING CASE



Support custom-made, complete mold specifications

● DRAIN GRATING BUOY



“

The pollution-retaining buoy will not pollute the water quality, and can be recycled and reused. Simple installation Flexible, fast, labor-free, shortens construction time and saves costs.

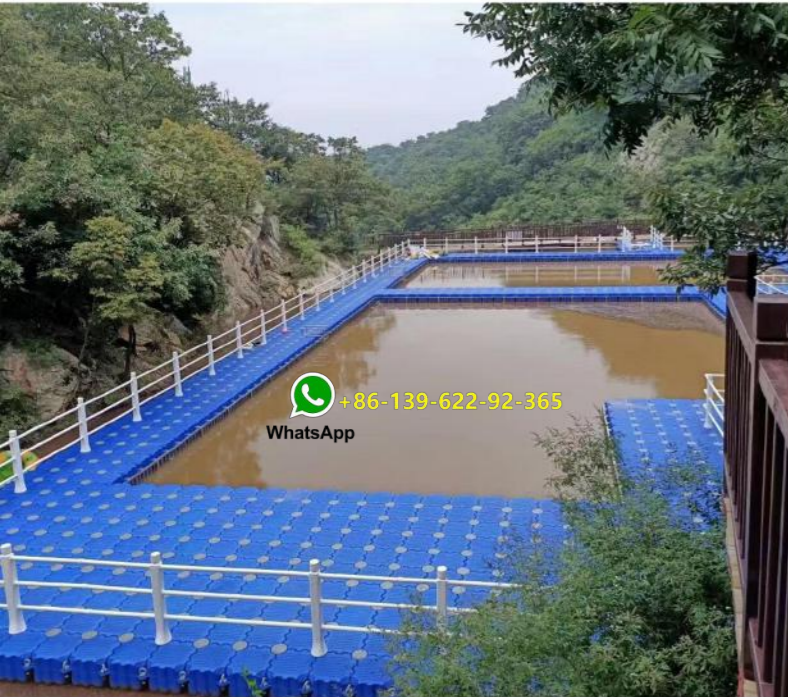


1. It has floating performance, and the installation position is not affected by the tidal range. 2. No need to check during use, no inflation, no fear of scratching, no fear of friction, seawater resistance, acid and alkali resistance. 3. Long service life, up to 10-15 years 4. Maintenance-free 5. No blasting, high safety. 6. Specifications can be customized according to customer needs, you can choose a variety of colors, the product is smooth and beautiful, and the logo is obvious



The shell is made of food-grade, long-life imported polyethylene, and the interior is filled with high-quality polyurethane foam. The buoy has strong toughness and high shell strength. Even if it is hit by strong tree debris during the flood season, it will not break! Increased blocking depth. The platoon is light in weight, so the blocking depth can be appropriately increased to 3 meters or even deeper according to specific conditions, effectively intercepting floating objects.

WATER PLATFORM



+86-139-622-92-365
WhatsApp



+86-139-622-92-365
WhatsApp



+86-139-622-92-365
WhatsApp

The upper surface of the buoy is designed with anti-slip patterns, which is safe and stable, and the product has a high bearing capacity. Simple and stable, the buoyancy per square meter can reach more than 350ka. Easy to assemble, fast, flexible and versatile.

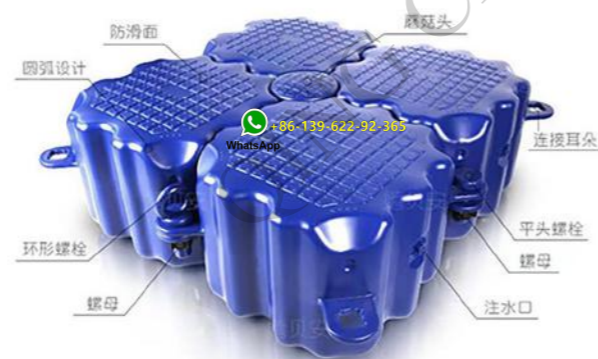
Scope of application:
water platform, yacht marina, water pontoon, water leisure platform, speedboat dock, floating dock, sightseeing platform, water restaurant, water park water wooden house, water stage, sea bathing pool, water swimming pool, ferry, cage aquaculture construction, buoy engineering construction and A series of water projects such as water entertainment facilities.

THE MATERIAL OF THIS PRODUCT IS A NEW TYPE OF ENVIRONMENTAL PROTECTION MATERIAL PRODUCED BY HIGH MOLECULAR WEIGHT AND HIGH DENSITY SYNTHETIC MATERIAL HMWHDPE (HIGH MOLECULAR POLYETHYLENE), WHICH ALSO ADDS ANTI-ULTRAVIOLET MATERIAL, WHICH HAS SUFFICIENT TOUGHNESS AND HARDNESS, CAN WITHSTAND CHANGES IN NATURAL ENVIRONMENT AND LOW TEMPERATURE INVASION, LIGHT WEIGHT, BUOYANCY LARGE, ACID AND ALKALI RESISTANCE, ZERO MAINTENANCE, FLEXIBLE COMBINATION, LONG LIFE, BRIGHT AND BEAUTIFUL COLOR, ANTI-CORROSION, ANTI-FREEZING, ANTI-ULTRAVIOLET AND ANTI-AGING, FREE FROM CORROSION BY SEAWATER, CHEMICALS, CHEMICALS, OIL STAINS AND AQUATIC ORGANISMS, NO POLLUTION, NO DESTRUCTION OF THE ENVIRONMENT, THE ENTIRE BUOY IS FORMED SEAMLESSLY AT ONE TIME • NO WATER SEEPAGE AND NO WATER STORAGE PROBLEMS, AND CAN BE RECYCLED AND REUSED. THIS PRODUCT HAS BEEN WIDELY USED AT HOME AND ABROAD.

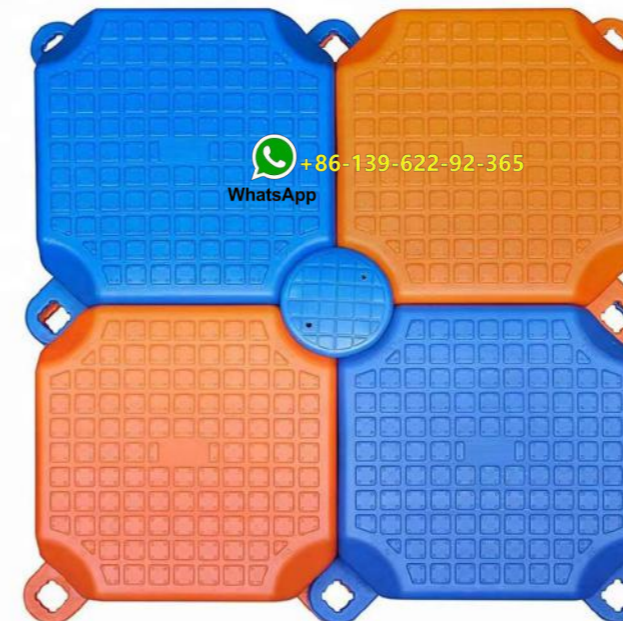


单体款详细分解图

曲边单体款更坚固耐用，标准承重达350kg/m²



+86-139-622-92-365
WhatsApp



+86-139-622-92-365
WhatsApp

BUOYS



material, workmanship

The outer shell is made of polyethylene PE, and the inner polyurethane foam is formed by rotomolding process in one step, which is strong and durable without welding seams.

Features

Impact, corrosion, maintenance-free, service life, environmental protection, light weight, good warning effect.

application

The buoy acts as a sign (reference) on the vast sea (lake) surface, and is widely used in flood control, flood control, water rescue, seaside play, etc., and buoys are used as signs.

They are usually anchored to prevent currents from shifting them.



shapes and clours

The basic shapes of the buoy body are tank, cone, spherical, cylindrical, rod and so on.

The buoy can be made of red/orange/yellow/green. The color is bright, sunscreen and anti-aging, and it will not fade during use.



Warning Light



● POLYETHYLENE FLOAT



● POLYETHYLENE FLOAT

“

The polyethylene warning float is made of high-quality imported PE raw materials and can be made into red, orange, yellow, blue, green, black and other colors.

It is mostly used for water surface warning interception in rivers, lakes, reservoirs, offshore waters, etc. It can also be used for cultivating floating balls through ropes and nets, and warning signs can be painted on the surface of the balls.



Polyethylene warning float is made of polyplastic floating body produced by plastic process. The sphere has excellent toughness and high impact resistance, and it is filled with foam to ensure that it can maintain certain buoyancy even if it is broken into water.

