

Do you know polyurethane (PU) wheels?



Shandong, Dingtao, Apr 28, 2021 ([Issuewire.com](http://www.Issuewire.com)) - Established in 1990. Our Group is located in Qingdao China, specializing in the design and producing different kinds of Polyurethane wheels, Our Polyurethane wheel is widely used in the shopping trolley, furniture, medical instruments, handcart, industrial apparatus, industrial trolley and rack, wheelbarrow, lawn cart, hand trolley, mobility chairs, home use, health care, Wheelchair, tool carts, baby stroller, etc. All wheels can be manufactured in different colors, sizes, and various thicknesses according to per customer's design and specification.

The full name is called polyurethane foam wheels, its abbreviation is PU wheels or PU foam wheels.

Which polyurethane can be made on wheels?

Polyurethanes are one of the most versatile plastic materials. The nature of the chemistry allows polyurethanes to be adapted to solve challenging problems, to be molded into unusual shapes, and to enhance industrial and consumer products by adding comfort, warmth, and convenience to our lives.

Polyurethanes are formed by reacting a polyol (an alcohol with more than two reactive hydroxyl groups per molecule) with a diisocyanate or a polymeric isocyanate in the presence of suitable catalysts and additives. Because a variety of diisocyanates and a wide range of polyols can be used to produce polyurethane, a broad spectrum of materials can be produced to meet the needs of specific applications.

It does not matter where you look, you are likely to find polyurethanes. Polyurethanes can be found in mattresses, couches, insulation, liquid coatings and paints, tough elastomers such as roller blade wheels, soft flexible foam toys, some elastic fibers, and many other places and applications.

Polyurethane which makes wheels include component A and component B. We only use top-class polyurethane as raw materials for wheels, so our [PU wheels](#) are different from other manufacturers. We invested huge money to research and test polyurethane from different companies to produce excellent wheels.

How are people made of the PU wheel?

Raw materials of the PU wheel include component A, component B, and accessory materials. I confirm that the characteristics of the polyurethane wheels depend on mainly accessory materials. Special PU foam tires must use a special formula. We have developed five series of special use for [the PU wheel](#).

Advantage of PU wheel:

- 1) PU foam wheel with various rim, color, and tread.
- 2) PU foam wheel is an environment-friendly product.
- 3) Polyurethane wheel is much lighter than traditional rubber pneumatic wheel and solid wheel in weight.
- 4) Polyurethane foam wheels can save costly repair time or replacement of tires and tubes.
- 5) Save all downtime related to flat tires.
- 6) PU wheel is long-lasting use based on high standard raw materials.

7) Different dimension of wheel supplied, including 4", 6", 8", 10", 13", 15", 16" etc.

8) PU foam wheel is excellent elasticity in both heat and cold conditions.

9) PU wheel is resistant to water, oil, dirt, acid, and alkali.

10) Solid polyurethane wheels are widely used for the wheelbarrow, Lawn cart, hand trolley, mobility chairs, etc.

Since our establishment, we have considered "product quality first" as our principle. We have brought in advanced technology and a complete set of automatic equipment. At present, we have a group of skilled workers and an entire set of strict control examination systems. As an independent and professional hi-tech large-scale manufacturer, we guarantee to offer products of high quality and timely delivery. We are an export-oriented enterprise. With more than 20 years of experience, we have earned a global reputation for high-quality products, excellent customer service, and reliability. We export 90% of our products throughout the world.

Why is a notable difference in the price of the PU wheel among suppliers?

There are thousands of suppliers of polyurethane wheels in the world. Some companies quote a very low price for customers, and some give a high price. In this case, importers often are confused. How do I choose a PU foam wheel? Should I decide to buy a cheap wheel or an expensive one?

Everyone knows that price bases on the quality of products. Nobody will lose money for the business. You will make wrong if you only pay attention to the price of wheels. Now I discover the secret of price for you. These suppliers with low quotations have to add some calcium powder to the raw materials of the polyurethane wheel. Do you know the price of calcium powder is very cheap? Do you know the component of raw materials of PU wheel is very expensive? I would like to confirm the price of raw materials of PU wheels get to USD4600/ton, and the price of calcium powder is only USD300/ton. Now you should understand why the price of the PU foam wheel is so different.

These wheels that mix calcium powder with raw materials are easy to crack under normal conditions, and their life is very short. Would you like to import these at a low price?

Why does someone quote a low price for PU foam wheels?

You can get 100 different prices of polyurethane wheels if you inquiry about 100 suppliers. Someone can quote a very low price, and someone quotes a high price. Importers will be confused. How should I choose?

You must understand the point which raw materials of PU wheel are expensive. Some companies add calcium powder to raw materials to cut down production costs. They add the weight of calcium powder according to the quotation. In fact, buyers give any price, polyurethane wheel manufacturers can supply,

but PU foam wheel quality is different.

Raw materials of PU wheels have A grade B grade C grade. That very cheap PU wheel only uses C grade and mixes with calcium powder. Do you know calcium powder price is very cheap?

We produce only use A-grade raw materials and special formulas for high performance. Our company invested huge money in the research of high-performance PU wheels.

Do you know the standard of a good PU wheel?

One of my customers said that a rough surface is good. What do you think of the point? I think that most consumers don't understand what is good for polyurethane wheels. As an expert on the PU wheel, I would like to share some ideas.

Good PU foam wheel must bear features as follows:

- 1) smooth surface without small holes.
- 2) It can recover its original shape under loading heavyweight.
- 3) Don't crack in cold weather.
- 4) Long life under normal condition

If someone adds some cheap materials to the raw materials of the PU wheel, they have no above characteristics. Do you dare to buy a cheap [PU foam wheel](#)?

Do you know the best temperature for making PU wheels?

Polyurethane wheels which produce in Spring and Autumn are excellent PU wheel's surface is smooth and pretty. Its reasonable temperature range from 5 degrees Celsius to 20 degrees Celsius.

Why do [PU wheels](#) that produce in Summer and Winter be a poor surface?

It contains more water in the air in Summer, at the same time, raw materials of polyurethane wheel also hold more water.

In a very cold winter, foam temperature is too low, so the foam effect is also poor.

I advise that customers place PU wheel orders in Spring and Autumn.

If you have also other ideas, don't hesitate to send me an e-mail, then I require our technical team to research and develop them to meet your personal requirement.

How to choose suitable PU wheels for your local market?

It is different per the consumer's requirements. We are facing times which time is money and safety is the first thing, which is a great era for someone who is seeking the value of products. In this case, we developed several series of high-performance for [polyurethane wheels](#) to meet the customer's will.

Customers from America and Europe need the performance of products is higher and higher. They pay more attention to excellent features than polyurethane wheel prices.

In order to meet consumer's requirements, we invested huge capital to develop several series for [PU wheels](#). All raw materials must be top-grade. Our cost is two times as expensive as the cheap raw materials price. Our technical team tested thousands of times for the PU wheel with outstanding performance. At last, we succeed in the high characteristics of the polyurethane wheel industry.

I kindly ask you to spend a little time reading the following.

1)Wear the proof type

The life of the PU wheel is very long, which is over one time longer than the common one.

2>Loading heavyweight type

The polyurethane wheels can load more quantity than normal wheels, so consumers can save some work time. The consumer only uses the wheel under special conditions.

3)Anti-cracking type

Consumers can use the PU wheel in cold weather.

4)Eco-friendly type

Raw materials of the polyurethane tire don't contain any harmful components to keep the air clean.

5)Comfortable type

The polyurethane wheel can reduce fatigue when a consumer uses it.

Of course, these special [PU foam wheel](#) price is higher than common PU wheel price, but their value is very high. If you look for high value, I advise you use good PU wheels. If you like cheap PU foam wheels,

you may choose a common PU wheel.

[PU wheel price](#) from China is lower than developed countries, but our features are better than their polyurethane wheel. Why is this case? The cost of production in China is lower than in developed countries.

We can produce common polyurethane wheels if you like low quality at a low price. Most importers from America and Europe bought, are buying, will buy outstanding characteristic PU wheels. Those importers from the Middle East still like cheap PU wheels. Someone from the Middle East also starts import high-quality PU foam wheels. As the economy grows, more consumers all over the world like to use high-quality PU wheels.

low-speed polyurethane foam wheels for children's high-grade car

The utility model provides a polyurethane foam wheel of a low-speed high-grade car for children so that the problems that an existing foam wheel is complex in structure and cumbersome in the assembly in the prior art are solved. The polyurethane foam wheel of the low-speed high-grade car for children includes a wheel hub, electroplated protecting covers, and wheel bodies that cover the outer circumferential surface of the wheel hub. The wheel hub comprises upper wheel hub bodies and lower wheel hub bodies, wherein the upper wheel hub bodies and the lower wheel hub bodies are detachably connected; the outer surfaces of the upper wheel hub bodies are fixedly connected with the electroplated protecting covers, and at least two reinforcing ribs are evenly distributed on the inner surface of each upper wheel hub body in the circumferential direction; the wheel hub is provided with a center hole used for accommodating an axle; the center hole is connected with the axle in a rotary mode through a matched wheel hub shaft. Due to the fact that the reinforcing ribs are arranged in the wheel hub, the service life of the wheel is prolonged, and the loading capacity is large. The wheel hub shaft is arranged in the center of the wheel hub and comprises a clamping-buckling body, a clamping-buckling pressing piece, and a shaft sleeve, and the clamping-buckling body and the clamping-buckling pressing piece are connected through a spring. Due to the pressing mode of the spring, the wheel hub shaft is more convenient to assemble and disassemble.

Can PU wheels be used on bikes and electric bikes?

Pneumatic rubber wheels are used on bikes and electric bikes for a long time. In recent years, polyurethane (PU) foam wheels are widely used on bikes and electric bikes. Why is the PU foam wheel welcomed by people? I think the point is that PU wheels are very safe, and PU foam wheels don't inflate, which bring convenient for people.

We developed a special formula for bike and electric bike PU wheels, and their performance is very excellent. Our PU foam wheel has comfortable characteristics with long life. We can make bike PU wheels 20000 pcs per day.

You may inquire about the bike or electric bike PU wheel if you are interested in them. I will supply the best quality for you.



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