Tel: +86-2489254035 WhatsApp: +86-13940063405 E-mail: sales002@zymfj.cn

About US

Shenyang ZhongYe Seals Factory is a professional manufacturing enterprise. ZhongYe is located in 3#, 26 road, Tiexi Eco-tech Development Zone, Shenyang, China.

The area of factory is over 10000㎡ and the construction area is about 6000 ㎡, mainly producing Hydraulic Seals, PTFE Products, PEEK Products & Nylon Products.

ZhongYe had formed unique design style and processing technology its own after many years' practice. Deeply favorite by the customs because of our high-quality , cheap price products and short supply cycle. ZhongYe sincerely service customs by the idea " Quality First, Favorable price, Quick Service"




CERTIFICATE OF CONFORMITY OF QUALITY MANAGEMENT SYSTEM CERTIFICATION

NO: 08918Q23186R2M

This Is To Certify That The Quality Management System Of

SHEN YANG ZHONGYE SEALS FACTORY

3#, 26 Road, tiexi Development Area, Shenyang, Chin

Unified Social Credit Code: 912101067555474 77U Post Code: 110178

Quality Management System Complies With:

GB/T19001-2016/ISO9001:2015 Standard

Scope:

Production And Service Of PTFE Seals、PU Seals、Rubber Seals、PF Guide Seals

Date of issue: 2018-12-28 Expiry date: 2021-12-27

Holding this certificate organizations receive annual surveillance audits qualified, And administrative license valid state regulations

Approval of the third surveillance audit

IAF

CNAS

MANAGEMENT SYSTEM

CNAS C089-M

Representative of The Company

The Certificate Information Can Be Inquired At http://www.cnca.gov.cn Or http://www.zsbc.net

History

1. In 2000, the founder of the company began to engage in the production and manufacture of hydraulic seals.
2. In 2002, we independently developed the cutting technology of the PTFE guide strip, which improved the production efficiency.
3. In 2004, the founder founded a company named "Shenyang Zhongye Seas Factory".
4. In 2008, the PTFE workshop is put into use. Start production of PTFE sheet, tube, rod, film, gasket, packing and seal tape.
5. In 2012, become a member of China Fluoroplastics Association.
6. In 2016, the company has obtained GB / T19001-2008 / ISO9001:2008.

7. In 2018, the company introduced intelligent management system.

Production Equipment

Since 2007, we have been using ERP and MASTER automatic management system. More than 320 production equipment, such as turning machine,CNC lathes,moulding machine and injection molding machine, have achieved information automation.



▲ CNC Lathes



▲ Sintering Equipment



▲ 200,000 Moulds



▲ 4000 tons press machine



▲ Raw Material

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PRODUCT

PTFE has an excellent performance of high/low temperature resistance, chemical stability, electrical insulation, non-stick, weather-ability, flame retardant and good self-lubrication, which enjoys the good reputation of "King of plastic".

PTFE was developed for satisfy the demand of military filed and cutting-edge technology, then generalized to civilian industry and became an indispensable material as time goes by, like aerospace, electronics and other industries.

1、PTFE Skived Sheet

PTFE Skived Sheet is produced by compressing molding a cylindrical billed and "Skiving" the film off of the billet in a Lathe.

It is widely applied as it has good corrosion resistance aging resistance, very low coefficient of friction.

They can be processed into gaskets, seals, lining partitions, scraper, rails, electrical insulation that can be under various frequency and bridge bearing slide.

Project	Unit	Index Data
Tensile Strength	MPa	≥15.0
Ultimate Elongation	%	150~400
Apparent Density	g/cm^3	2.2~2.3
Withstand Voltage	KV/mm	10
Surface Resistance	Ω	3.7×10^{16}

2、PTFE Molded Sheet

PTFE Molded Sheet is made from PTFE suspension resin by molding method.

The features of PTFE molded sheet has good corrosion resistance, aging resistance, and low coefficient of friction, it has a widely usage in many industry.

Process of PTFE molded sheet:
Step1. PTFE resin mixed with additives.
Step2. Compression: put the compounded PTFE material into molds, compression into billets with certain temperature and time.
Step3. Sintering: then heat the PTFE billets to melting point in the oven, the PTFE resin molecule are closely packed by sintering.
Step4. It can be machined or directly use after cooling. Application of
PTFE molded sheet:

1. It can be used as linings and washer in reactors, storage tank, valves and other containers to resist corrosion by all kinds of corrosive material.
2. Can be used for anti-corrosion lining of pipe, coating on rod to anti corrosion, lubrication and oil-free for mechanical slip road and rail.
3. Can be processed into insulator which used in all frequencies, it has been the most widely applied for PTFE material.
4. It can be used has pad and guide slipper on the stairs in construction industy.

Project	Unit	Index Data
Tensile Strength	Mpa	≥15.0
Breaking Elongation	%	150~400
Apparent Density	g/cm³	2.2~2.3
Withstand Voltage	KV/mm	10
Surface Resistance	Ω	3.7×10^{16}

3、PTFE Extruded Rod

Diameter: between 6mm to 250mm can be produce into short rod by molding method, the short molded rod can be mixed with inorganic materials such as fiberglass, bronze, graphite, carbon, or molybdenum sulfide (compounds). This can significantly alter the properties, particularly with regard to pressure resistance, thermal expansion, electrical values, and abrasion.

Process of PTFE Extruded Rod:

Step 1. PTFE resin mixed with additives.

Step 2. Put the compounded PTFE material into extruder to melt and further mix. Step 3. The PTFE rod come out from multiple orifice mold by extruded method.

Step 4. Cut into demand length after PTFE rod fully cooling.

Of all the known plastics, PTFE has the most excellent chemical resistance and dielectric properties, anti-aging, non-stick, can be worked under a temperature of 180 ℃ ~ +260 ℃ (zero load working environment), it has the lowest coefficient of friction among all known solid material.

PTFE Extruded Rods are mainly use for machining into various of circular parts, such as gaskets, washers, shafts, special-shaped pieces and so on.

Project	Unit	Index Data
Tensile Strength	Mpa	≥14.0
Ultimate Elongation	%	140
Apparent Density	g/cm^3	2.1~2.3
Withstand Voltage	KV/mm	10

4、PTFE Molded Rod

Diameter: between 6mm to 250mm can be produce into short rod by molding method, the short molded rod can be mixed with inorganic materials such as fiberglass, bronze, graphite, carbon, or molybdenum sulfide (compounds). This can significantly alter the properties, particularly with regard to pressure resistance, thermal expansion, electrical values, and abrasion.

Process of PTFE molded Rod:

Step1. PTFE resin mixed with additives.

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Project	Unit	Index Data
Tensile Strength	MPa	⩾14.0
Ultimate Elongation	%	140
Apparent Density	g/cm^3	2.1~2.3
Withstand Voltage	KV/mm	10

5、PTFE Straight Tube

PTFE Straight Tubes are made by mixed PTFE dispersion resin with organic solvent.

By push pressing, then drying, sintering, cooling into the final PTFE tube.

PTFE straight tube can be used to connect lower mechanical graphite, ceramic or glass pipes, used as wire insulation sleeve, corrosive fluids media, chemical pipelines, tankers, tank, container or reactor to exhaust tube, pipe misalignment, used to dislocation connection pipes or displacement, size balance or other causes due to climate change or to eliminate high-frequency mechanical vibration. as well as tubular reactor or heat exchanger on special occasions.

Connection ways: flanged connections, threaded connections, quick connectors, and a direct connection to the pipe or fixed by a pipe strap or wire.

Project	Unit	Index Data
Tensile Strength	MPa	⩾15.0
Ultimate Elongation	%	150
Apparent Density	g/cm^3	2.1~2.3

6、PTFE Molded Tube

PTFE Molded Tube is process by molding method, put the sintered PTFE into mold, and heat to sintering temperature, one side pressing, another side cooling, it is hot press molding.

Process of PTFE molded Tube:

Step 1: PTFE resin mixed with additives.

Step 2: Compression: put the compounded PTFE material into molds, compression into billets with certain temperature and time.

Step 3: Sintering: then heat the PTFE billets to melting point in the oven, the PTFE resin molecule are closely packed by sintering.

Step 4: It can be machined or directly use after cooling.

Molding method Feature: Low output, the dimensional changes seriously during sintering, only suitable for big size and simply designed products.

As for the large diameter feature of PTFE molded tube, it usually used for machining into PTFE gasket, ring, shaped-parts and so on. It also can be filled with other material like fiber glass, graphite, carbon, bronze and so on to improve the performance.

7、PTFE Film

PTFE Skived Film is consist of PTFE film raw materials. PTFE film has high tensile strength, good insulation, excellent anti-sticking materials.

It is used to the work of gaskets, sealing and lubricating materials, as well as in various frequency of use of electrical insulation. Such as the capacitor dielectric, special electric insulation layer wire insulation, electrical instrumentation insulation, sealing gaskets, also made into non-stick sealing tape, releases and insulation materials.

8、PTFE Packing

PTFE packing is a PTFE yarn packing braided into square cross section and impregnated with PTFE dispersion. High cross-sectional density and structural strength. Low coefficient of friction result in easy shaft running. Long lubricant squeezed out under operating pressure. For universal application in centrifugal pumps, control valves and special applications in the chemical, foodstuffs and pharmaceutical industries.

9、PTFE Gasket

PTFE gasket has many kinds of application methods. High corrosion resistance, stable physical characters and high/low temperature resistance result in good sealing properties, PTFE is widely used in the line of petroleum, chemical, electric and steel industry. Applicable medium includes water, oil, acid solution, alkali solution and almost all chemical materials.

10、PTFE Special Articles

PTFE Special Articles, which made from high quality PTFE resin, are finish machined by

methods of moulding, skiving and lathe. Finished products are involved in insulated medium, ball valve seat, sealing gasket, sealing ring and other high prevision parts and components, which are widely used in the line of electric, communication, medical.

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