

Brake Pads

Basic Information

- Price: Negotiation



Product Specification

Product Description

Features Products Specifications Application

Founded in 1998, MASUMA Auto Spare Parts Co., Ltd has grown into an 25-Year International enterprise with independent intellectual property rights, integrating R&D, manufacturing, sales and service. The headquarters is located in Tokyo, Japan. The global operation center and production base are established in China. Our car spare parts cover more than 90 series of car brands, including Japanese, Korean, European, American cars, etc. We have multiple storage centers around the world. Thus, we are able to deliver the goods in a short time.

Our quality control system has passed the professional certifications, including ISO-9001, ISO-14001, SGSIATF16949. We provide one of the lowest scrap rates in the industry: just 0.09%. At the same time, our goal is to offer car owners spare parts that last at least 15% longer than our competitors.

Following is the detailed introduction to our car brake pads. If you want to know more information or have personal introduction, please send an online inquiry to us.

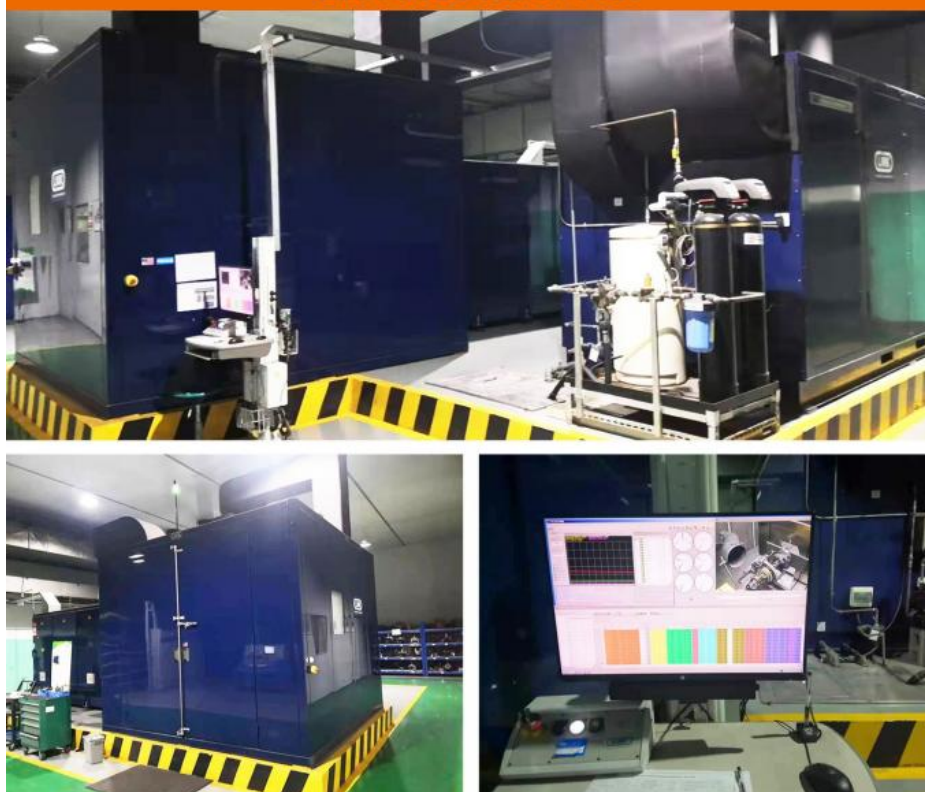
Explore the Manufacturing Process at Masuma Brake Pad Factory

The friction material of MASUMA Disc brake pads is R&D patent of the engineers in Japanese Headquarters.

MASUMA Disc brake pads rely on high braking efficiency, which can be achieved by balanced heating and heat dissipation of the brake pads in different operating modes, thereby ensuring the stability of product quality, effectively reducing the noise of the brakes and discharging the dust generated by the friction between the brake pads and the brake disc.

MASUMA brake pads undergo thousands of hours of cycle testing on the LINK 3900 Benching testing machine, MASUMA brake pads have advantages of wear resistance, thermal stability and low noise frequency.

LINK 3900 Bench Test



MASUMA N series Drum brake pads

MASUMA N series Drum brake pads use a special ceramic formula, and the friction material layer is composed of ceramic fiber, aramid fiber, carbon fiber, copper fiber, high-purity graphite, potassium titanate and resin.

The specified friction coefficient is 0.36, which allows for short braking distance, high temperature resistance, less dust, no noise and long life-span.

Product Feature

1. MASUMA brake pads adopt the international advanced ultra-quiet ceramic formula, which effectively solves the problems of noise and dust.
2. MASUMA disc brake pads with FF level international standard friction coefficient, low noise, less dust, good braking effect.
3. The high-temperature braking ability of MASUMA disc brake pads is outstanding, Under the high temperature conditions such as continuous emergency braking and downhill braking, the friction coefficient is stable and the braking effect is good.

During the actual measurement in Yunan Road testing, after 20 consecutive prolonged braking actions, the temperature of the brake disc/pad reached more than 570 degrees, but it still remained in good condition.

4. MASUMA disc brake pads use advanced ceramic formula and manufacturing process, which has the advantages of long life-span and wear resistance and can prolong the life-span by more than 25%.

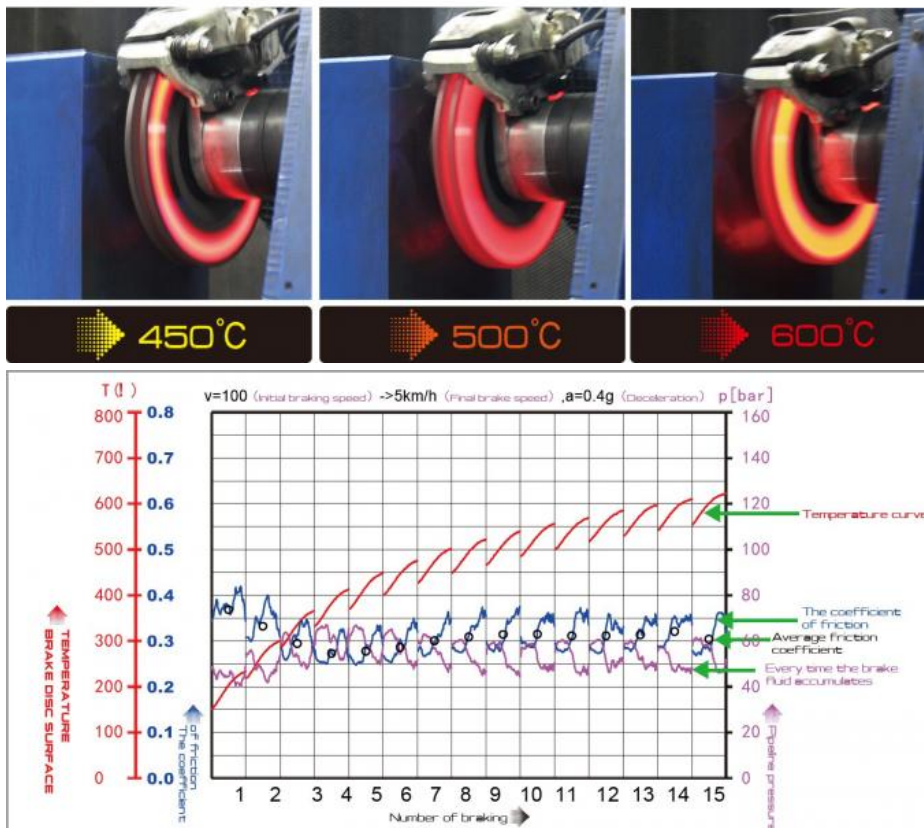
5. There is more than 3000 kinds of brake pads in MASUMA, meeting various worldwide car models request.



Strict Testing

Ensuring stable braking performance in different Road conditions, Especially in severe conditions.

DISC BRAKE PAD HEIGHT TEST (test temperature of brake disc surface)



Brake pads' part

Structurally, brake pads are composed of friction material, bottom material Layer, viscose, steel back, muffler plate and accessories.



Primer layer: Improves bonding performance, reduces heat conduction, maintains consistent compressibility for thinner friction plates, reduces noise, attenuates high-frequency squeal and couple attenuate vibration.

Friction material: The body material (abrasive+ lubricant) determines the friction coefficient and friction performance. The

filler can reduce the cost and improve the ease of production. The binder can effectively bond various components and strengthen the fiber to enhance the mechanical strength.

Friction material formula classification

Brake pads on the market are mainly divided into three categories: semi-metal, less metal and non-asbestos organic matter (ceramic formula) according to different materials .

Semi-metal

High metal fiber(iron fiber, steel fiber, etc) content $\geq 30\%$

Advantages: long life-span, high load, low cost.

Disadvantages: low coefficient of friction, noise, wear to the brake disc, rapid aging of brake components.

Less metal

Lower metal fiber(Iron fiber, steel fiber, etc.) content $< 30\%$

Advantages: high performance, good low speed, more suitable for European and American vehicles, friction coefficient is 0.4~0.42

Disadvantages: noisy, short life, dusty.

Non-Asbestos organics(ceramic formulation) NAO

Mainly use glass fiber, rubber, graphite and other organic substances as reinforcement materials

Advantages: low noise, less dust, friction coefficient 0.36~0.38.

Disadvantage: high temperature and high load characteristics (fading) are not ideal.

Performance indicators related friction materials

The coefficient of friction is the ratio of the frictional force between two surfaces to the vertical force acting on one surface. This coefficient is one of the important indicators to measure the braking effect of brake pads.

Friction Level

EE grade: 0.25-0.35 is suitable for European and American cars. brake pads are relatively large and the friction coefficient is relatively low.

FF grade: 0.35-0.45 international standard friction coefficient.

GG grade: 0.45-0.55 for European models.

HH grade: 0.55-0.65 for racing cars.

The higher the friction coefficient, the greater the friction force and the shorter the braking distance under the same braking force. But it is not that the higher the coefficient of friction, the better. Excessive friction coefficient will affect the comfort of driving. Such as the phenomenon of car nodding. Therefore, a balance point is desirable between the braking distance and friction coefficient.

Precautions and Handling of common faults

1. Brake pads are an important part of vehicle's braking system. Their life-span is determined by factors such as differences in driving habits, vehicle models, road conditions, slope differences, private cars or taxis, etc . please carry out maintenance in accordance with the vehicle maintenance manual.

2. New change brake pads make low-speed brake noises. In fact, the original brake pads have caused wear on the brake discs after use, causing the new pads and the old discs to easily rattle. The complete solution is polishing the disc. If the customer does not agree, the temporary solution is to polish the brake pads.surface, Chamfer.

3. The size of the friction block of the brake pad manufacturers is inconsistent, especially the width. The maximum deviation between manufacturers can reach 3 mm, which causes the surface of the brake disc to look smooth but the standard size is installed, and the small one can easily make noise. How to fix: polishing brake discs.

4. There is a sudden noise after driving for a period of time. In this case, most of the time this is due to the fact that there are sand and gravel on the road between the brake pads and discs when braking. In this case, it is not only easy to make noise but also easy to damage the disc, but the foreign objects have fallen off after dismantling. In this case, only two of the four sides of the disc are damaged, and one of them is easy to see. How to fix: remove foreign objects, reinstall the car.

5. No matter whether you step on the brake or not, there is a rattling sound, which may be because the brake accessories are not installed properly. How to fix: fasten accessories, reinstall

6. If there is sound, the brake pads are in a semi-slip state at the moment of starting, so that the automatic transmission car has a unique sound, and there is no manual transmission. This kind of sound is a normal phenomenon when the brake pads are in a semi-slip state.

Why choose us?

Our Auto Brake Systems products are manufactured with the environment in mind, reducing our impact on the planet.

Accumulated a wealth of experience in production and manufacturing, and strive for excellence in manufacturing, testing and service, so that the company's product quality is in a leading position in various industries.

Our Auto Brake Systems products are tested rigorously to ensure quality and reliability.

We always attach importance to environmental protection, insist on the pursuit of safety and health, and are committed to the harmonious development of resources, environment and economy.

As a supplier and manufacturer of Auto Brake Systems products, we offer customization options to meet our customers' needs.

Customer first, struggle based, quality oriented, win-win together is our corporate culture, hard work and continuous innovation are our corporate values.

Our Auto Brake Systems products are renowned for their reliability and durability.

Our commitment to quality Brake Pads and service has always been a key feature that differentiates us in this market. Our team is committed to constantly improving our Auto Brake Systems products and services. We continue to help enterprises to improve productivity, reduce costs, maximize the benefits of enterprises, and promote the common growth of enterprise value and customer value.

Hot Tags: brake pads, China brake pads manufacturers, suppliers, factory, brake line adapter 1 4 to 3 16, remote brake fluid reservoir hose, motorcycle brake lock, hydraulic disc brake set front and rear, high pressure brake hose, disk brake pads

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