



King Brand Industrial Limited
敬實實業有限公司



FAQ for "YHL" Safety Tires

1. What is a Tire Safety Upgrade?

"YHL" polymer memory rubber is used for tire safety upgrade. Using special "YHL" tire safety upgrade equipment, the liquid "YHL" polymer memory rubber is sprayed on the inner wall of the tire at high temperature, so that the tire has a puncture resistance Leak-proof self-replenishing function, this process is called tire safety upgrade.

2. What is the raw material of polymer memory rubber?

The raw materials are mainly rubber materials, which are processed into "YHL" high-molecular memory rubber through patented formula at high temperature.

3. What is the applicable temperature range of the puncture-resistant and leak-proof function after the tire safety upgrade?

Negative 35°C-120°C, within this temperature range, the anti-puncture and leak-proof function is stable, and the polymer memory rubber will not solidify or flow.

4. What is the puncture resistance range after the tire safety upgrade?

After the tire is upgraded, the puncture resistance diameter range of the wound is $\leq 6\text{mm}$, and the length range is $\leq 10\text{cm}$; however, the same wound cannot be punctured more than 5 times; the upgraded tread protection ability is improved, and the wound that has been scratched by 4.5cm on the actual road surface can continue to drive for 100km There will be no problems, and the actual puncture diameter range is larger, which can avoid sudden tire blowout caused by tread cutting wounds.

5. Is the anti-explosion function added after the tire safety upgrade?

"YHL" tires have a certain anti-explosion protection function, which can greatly reduce the slight air leakage or blowout of tires caused by nailing.

6. Is the performance of polymer memory rubber stable?

The rubber is oily and has anti-corrosion, moisture-proof, and anti-oxidation capabilities. It will not affect its anti-puncture and leak-proof performance when stored in humid air.

7. What is the lifespan of the polymer memory rubber coating?

More than 5 years.

8. What is the process of tire safety upgrade?

Cleaning - rinsing - drying - hot melt adhesive curing (strengthening intermediate adhesion) - glue spraying - cooling



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9. Is it real for the puncture-resistant and leak-proof function of the "YHL" Self-patching tire?

The technology of "YHL" safety tire has obtained the national patent, and has been used in the military field for many years after formal testing by professional testing institutions.

10. What is the difference between "YHL" Self-patching tires and ordinary tires?

Ordinary tires mainly have four functions, load, grip, steering, and handling performance. On the basis of ordinary tires, "YHL" safety tires add a polymer memory rubber coating with self-replenishing function on the inner wall of the tire. Therefore, in addition to the above basic functions, it also has the function of puncture resistance and leak prevention, which improves the tire performance. Excellent safety performance, adapt to various complex road conditions, avoid the trouble of repairing tires and replacing spare tires.

11. Will the performance indicators of "YHL" Self-patching tires be affected compared with ordinary tires?

After testing, the "YHL" safety tire has passed various professional tests such as puncture-resistant and leak-proof, dynamic balance, handling, fuel consumption, high-temperature performance, and low-temperature performance. It is different from ordinary tires and is safe, convenient, puncture-resistant and leak-proof. functional advantages.

12. What is the difference between "YHL" Self-patching tires and run-flat tires?

The run-flat tire is designed with a reinforced skeleton support structure, and it needs to install an auxiliary rim. After the tire is punctured, it will leak air, but relying on the support structure, it can continue to drive for about 80-200 kilometers, but it must be repaired or replaced. Currently Run-flat tires are expensive and sales are small. The "YHL" safety tire has added a polymer memory rubber coating with self-replenishing function on the inner wall of the tire, which has the function of puncture resistance and leakage prevention. If it is punctured, it will not leak air. It does not need tire repair or replacement, and can continue to drive. to the end of the tire's normal service life. In addition, the price of safety "YHL" tires is greatly lower than that of run-flat tires, and the market has wide acceptance.

13. What is the difference between "YHL" Self-patching tires and other brands of self-repairing tires on the market?

"YHL" self-patching tires and other brands of self-repairing tires on the market use the same design principle, spraying a polymer memory rubber coating with self-repairing function on the inner wall of the tire, but the specifications of other brands of self-repairing tires on the market are very different. Few, the price is very expensive, and there are very few sales in the market at present. After the performance test of "YHL" safety tire and other brands on the market, the self-repairing function remains stable at 0-100°C, and the "YHL" safety tire is puncture-proof and leak-proof at minus 30-0°C The self-repairing function is better than other brands of self-repairing tires on the market. Moreover, the price of "YHL" safety tires is much lower than that of run-flat tires, and the market has wide acceptance.

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