

Graphite Products

Application of **Graphite**

Graphite is widely used industrial sectors such as metallurgy, mechanical, electrical, chemical industry, textile and national defense because of its excellent capabilities.

Acting as refractory materials

One of **graphite's** major functions is to produce refractory materials, including firebricks, crucibles, continuous casting powder, mold cores, molds, detergents and high temperature-proof materials. In recent years, there are two major changes in the industry of refractory materials, that is magnesium carbon bricks are widely used in the furnace lining and aluminum carbon bricks are used in continuous casting.

Acting as conductive materials

Graphite is widely used as electrodes, electronic brushes, carbon rod, carbon tube, cathode mercury rectifier, **graphite** gasket, telephone parts, TV tube coating etc in the electrical industry. And **graphite** electrodes are the most widely used. When **graphite** electrodes are used in the smelting all kinds of alloy steel and ferroalloy, the strong currents which pass through the electrodes and flow into the melting zone of the EAF, produce arcs to transform the electrical energy into thermal energy and increase the temperature so that the melting or the reaction is achieved. Besides, the cells' anodes also use **graphite** electrodes when the magnesium, aluminum and sodium are in the process of electrolysis.

Acting as wear-resistant and lubricant materials

Graphite is always used as lubricants in machinery industry. Lubricating oil can work in the high-speed, high-temperature and high-pressure environment, but **graphite** wear-resistant materials can function in high temperature and high sliding speed without lubricating oil. Many devices that transport corrosive media use **graphite** to make piston rings, rings and bearings. Lubricating oil is not needed when they are in operation. **Graphite** is also the good lubricant of a lot of metal processing (Roberts, trombones).

Acting as corrosion-resistant materials

Graphite has a good chemical stability. The **graphite** which has been specially processed possesses the corrosion-resistant quality, good thermal conductivity and low permeability. Therefore, it is widely used in the production of heat exchanger, reactor, condensation control, burning tower, absorption tower, chillers, heaters, filters, pumps and other equipment. These devices are used in petrochemicals, hydrometallurgy, acid production, synthetic fiber, paper industry and other industrial sectors and can save a lot of metal materials.

Xianghai is a Chinese manufacturer and supplier of **graphite** products .Over the past 30 years' experience, we have become a leading producer of **Graphite** Products on the Chinese market. We

produce **Graphite** Products of over 200 specifications for the clients' choice. We also keep researching and developing new **graphite** products to satisfy our clients' needs. Our company has already passed the International Quality System Certification known as ISO9001:2000. We have clients in Europe, Middle East, South America and Southeast Asia. High quality products and the competitive price are the foundation and guarantee of our growing market and clients. We can manufacture the products according to the clients' demands. We are surely willing to offer you OEM (original equipment manufacture).

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