

高强石墨复合板材

产品名称	高强石墨复合板材
公司名称	湖北新成萃腾新材料有限公司
价格	.00/个
规格参数	
公司地址	兴山县峡口镇平邑口工业园区
联系电话	13507206066

产品详情

产品展示 Product showroom

无硫/低硫柔性石墨卷材又称柔性石墨纸或柔性石墨板材，是用天然鳞片石墨经化学处理后，经过加热高温膨化形成石墨蠕虫，这种像蠕虫一样的石墨粉的密度约为0.003g/cc。然后经滚压形成柔性石墨卷材。膨胀石墨卷材不含粘结剂和填充物，因此纯度很高，具有良好的耐腐蚀性、耐放射性、耐高/低温、良好的压缩回弹性、并具有自润滑性和不渗透性，适用于低压部位的密封。石墨卷材和金属薄板可以复合成多种形式的石墨复合板。

Sulfur free / low sulfur flexible graphite sheet, also known as flexible graphite paper or flexible graphite sheet, is made by the follow process: First natural flake graphite is deal with chemical treatment, then after heating in high temperature it takes in forms of graphite worms, the density is about 0.003 g/cc . Then after rolling it became flexible graphite sheet. Expandable graphite roll is without binder and filler, so the purity is high, with good corrosion resistance, radiation resistance, high / low temperature resistance, good compression resilience, and have the self lubrication and non permeability, suitable for low pressure parts of the sealling. The graphite sheet and the metal sheet can be combined to make various forms of graphite composite plates.

性能特点：Performance characteristics1.优异的耐热性和耐寒性。柔性石墨从-270度的超低温到3650度（在非氧化气体中）的高温，其物理性质几乎没有什么变化，在空气中也可以使用到450度左右；

Excellent heat resistance and cold resistance. From ultra-low temperature of -270 degrees to 3650 degrees (in non oxidizing gas) of high temperature, the physical properties has almost no change, in the air , it can also be used 450 degrees.2.优异的耐化学腐蚀性。柔性石墨除在王水、浓硝酸、浓硫酸、高温重铬酸盐、高锰酸钾、氯化铁等强氧化性介质中有腐蚀外，几乎对一切无机及有机介质都耐腐蚀； Excellent chemical resistance. Flexible graphite were corrosive in Strong oxidizing medium such as aqua regia, concentrated nitric acid and concentrated and high temperature dichromate, Potassium Permanganate, ferric chloride, Corrosion resistant to

almost all inorganic and organic media.

3.良好的自润滑性。柔性石墨同天然石墨一样，层间在外力作用下，容易产生滑动，因而具有润滑性，有较好的减磨性，摩擦系数小；

Good self lubrication. The same as natural graphite, the flexible graphite is easy to slide under the action of external force, so it has the property of lubrication, good abrasion resistance and small friction coefficient;

4.回弹率高。当轴或轴套因制造、安装等因素存在偏离而出现径向圆跳动时，具有足够的浮动性能，即使石墨出现裂纹，也能很好密合，从而保证贴合紧密，防止泄漏。

High rebound rate. When the shaft or sleeve has a deviation and radial runout for manufacturing, installation problems, it has sufficient floating performance, even if the graphite cracks, it can close together, thus ensuring closeness and preventing leakage.

产品应用Product application

1.可作为石墨填料环材料。

Used as graphite packing ring material.

2.可以和金属薄板复合成石墨复合板，切割成各种形状的密封垫片。

Can be combined with a metal sheet into a graphite composite plate to be cut into various shapes of sealing gaskets.

3.直接用于制作各种低压垫片或加工成厚板后做高温隔热垫板。

Used for making various low pressure gaskets or after processing into thick plates.