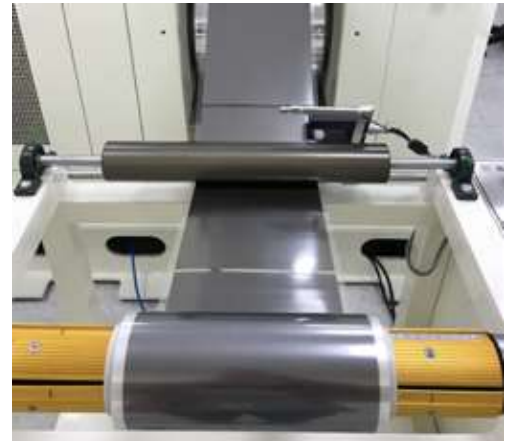


## Synthetic Graphite Sheet

### 人工合成石墨片 XK-SG1500

#### Features

XK-SG1500 thermal spreader film is a kind of new type high efficient heat spread material dealing with high integration, high intelligence, narrow space, high calorific value, and when it will not be able to use the active cooling materials, XK-SG1500 thermal spreader film is preferred, At present, the thermal conductivity coefficient at horizontal direction of our some products can reach to 1600 W/mK, the thinnest is 0.017 mm, and customize according to the special requirements of the customers and provide thermal solution at the same time. Products can be provided double side cover or non-coating.



High toughness, excellent thermal diffusion properties in horizontal direction, Can very quickly spread of heat from the concentration, so as to realize temperature reduction of heat spot and the whole device. Making the equipment and the machine operate for a long time. Equipment will be not abnormal because of the high temperature. Usage temperature range from extremely low temperature to 3000°C it also can reach 120°C while adding protective film adhesive. no gas and liquid penetrability, not aging and embrittling, suitable for most chemical medium, not exclude health damage, no asbestos, anisotropy, particularly reflected in the conductive and heat conduction performance.

XK-SG1500 是一种新型的高效散热材料，应用于集成度高，智能化高，空间狭窄，发热量高等产品，在无法使用主动冷却材料时，XK-SG1500 是最好使用扩散膜，目前我们某些产品在水平方向的导热系数可以达到 1600 W / mK，最薄的是 0.017 mm，并可以根据客户的特殊要求进行定制，并同时提供散热解决方案时间。

高韧性，在水平方向上优异的热扩散性能，可以从集中处非常迅速地散发热量，从而实现热点和整个装置的温度降低。使设备和机器长时间运行。高温不会导致设备异常。无胶膜使用温度范围从极低的温度到 3000°C，添加保护膜胶也可以达到 120°C。无气体和液体渗透性，不老化和脆化。

properties	Unit	XK-SG1500	Method
Color	-	Black	Visual
Specific gravity	g/cm <sup>3</sup>	2.1	ASTM D792
Thermal conductivity	W/mk	1600	ASTM E1461
Thermal conductivity	W/mk	5	ASTM E1461
Thickness	mm	0.017	ASTM D374
Volume Resistivity	Ohm-m	10 <sup>-4</sup>	ASTM D 257
Tensile strength	Mpa	15	ASTM F152