

## Graphite Sheet

Type: PSGS

PSGS graphite sheet is a polymer film to graphitization by burning and decomposing. The way is totally different from the traditional processes/methods.

The highly oriented graphite is similar to crystal structure, which has high thermal conductivity and flexibility.

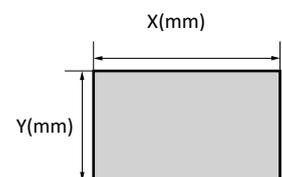
PSGS is kind of material with thin and high softness against high electromagnetic shielding characteristics.

## Technical Data

Item		Test Methods	PSGS	
Thickness (μm)		Micrometer	17	25
Thermal Conductivity (W/m.k)	XY axis	AC calorimeter	1600~1800	1500~1600
	Z axis	Laser flash	10~20	10~20
Thermal Diffusivity (cm <sup>2</sup> /S)		AC calorimeter	8~10	7~9
Density (g/cm <sup>3</sup> )		Archimedes law	2.1	2.1
Electrical Conductivity (S/cm)		JIS K7194	≥ 15000	≥ 15000
Long term Temperature Range °C			400	400
Flexibility		MIT	Flexible	Flexible
RoHS compliant			YES	YES

## Appearance Size

Item	X (Width:mm) *	Y (Length:mm) *	Thickness(mm)
PSGS	150 ± 5	300 ± 5	0.017 ± 0.005
	250 ± 5		0.025 ± 0.005
	300 ± 5		



NOTE : The above data should be considered representative only and should not be used for specification purpose.

### PIN SHUO PHOTOELECTRIC CORP.

8F., No.90, Xingde Rd., Sanchong Dist., New Taipei City 241, Taiwan (R.O.C.)

TEL : 886-2-8511-3778 FAX : 886-2-8511-3776

E-mail : kate\_ko@pinspc.com URL : www.pinspc.com