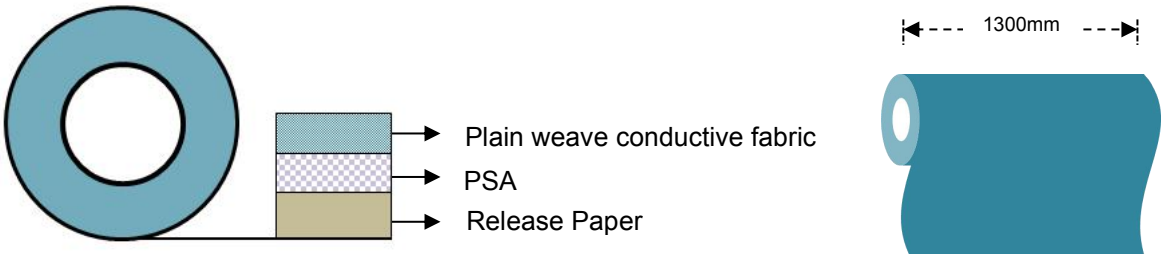
Plain weave conductive fabric tape SY-PF39B000A09

Technical Data Sheet Version Number: A-a

❖ Product Introduction

PF39B000A09 is the Plain weave conductive fabric tape for electromagnetic shielding solution. It will be pre-processing on the polyester fiber cloth. Then, it is coated with the metal shielding layer by chemical plating and electroplating process so that it will be conductive like metal characteristic. Finally, it is coated with conductive acrylate PSA with a special process.

❖ Product Structure



❖ Product Performance

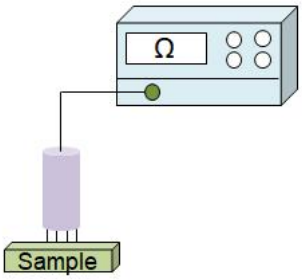
- Low impedance，good electromagnetic and grounding performance;
- Soft, good conformability and punching performance ;
- Strong adhesion to various metal materials;
- Good die-cut process ability.

❖ Features

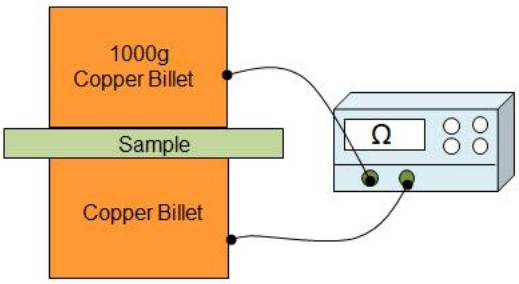
Features	Data	Test Standard
Color	Gray	/
Base Material	Plain Wave Conductive Fabric	/
Base Material Thickness（mm）	0.08±0.01	ASTM D3652
Total Thickness（mm）	0.11±0.02	ASTM D3652
Adhesive Strength（N/25mm）	≥ 10	ASTM D3330
Holding Power（H）	≥ 48	ASTM D3654
Fabric Density（T）	260±10	ASTM D3775
Surface Resistance（Ω）	≤ 0.05	ASTM F390
Z - conduction Resistance（Ω）	≤ 0.03	Saintyoo TM
10MHz~3GHz（dB）Shielding Effectiveness@10MHz~3GHz（dB）	≥60	SJ20524-1995
Release Material	White Silicone Oil Release Liner	/

❒ Resistance Test Method

1）Surface Resistance（**Ω**）

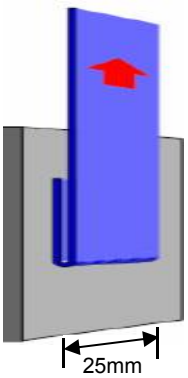


2）Z - conduction Resistance（**Ω**）

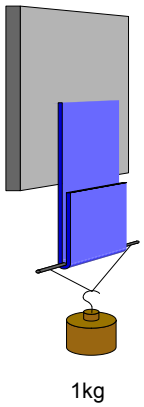


❒ Tension Test Method

1）Adhesive Strength（**N/25mm**）



2）**Fixed Load Peeling（H）**



❖ Application

The product is widely used in Electromagnetic wave shielding and grounding in mobile phone, tablet, laptop and other electronics inner structure, such as FPC, PCB, speaker, antenna, camera and other modules.

❖ Duration and Storage Condition

- Best duration: within 6 months
- The Best storage condition: 6℃~34℃/0~65%RH in packing case.

Special Declaration: We suggest user do adaptability test before the formal use of this product. Due to the diversity of practical application, our company do not guarantee that the problem appear in a specific condition, thus our company will not be responsible for any direct, indirect or accidental damage. You can contact my company's after-sales service when problems encountered in the use, we will try to help you.