

Technical parameters and operation requirements of sulphur free antistatic table pad and floor mat

1、 Sulphur free antistatic table mat: Sulphur easily reacts with other substances to cause decoloring of the products and bring harm to human body. Our antistatic table mat does not contain sulphur.

2、 Technical parameters

Antistatic table pad			Specification
Antistatic face (green layer)	Surface resistance	10^7-10^9	1.2mx*10mx*2mm(T) 1.0mx*10mx*2mm(T) 1.3mx*10mx*2mm(T)
	Friction static potential V	< 100	
Conductive face (black bottom)	Surface resistance	$\leq 10^6$	
	Friction static potential V	< 60	
Static voltage attenuation period	5000 – 500V	< 1.9s	
Flame retardation	GB4609-84, FV-0 (less than 10S)		
Volume resistance	$10^7-10^{10}\Omega\text{cm}$		

Physical performance index of antistatic table pad (floor mat)

No.	Description	Test reference	Results
01	Tensile strength	GB 1040	3.6Mpa
02	Fracture elongation	GB 1040	188%
03	Tear elongation	GB/T 529	20.6KN/m

04	Rebound elasticity (the specimen is laminated with 6 layers of sheets)		GB/T 1681	14%
05	Impact embrittlement temperature (no cut)		GB 5470	No damage at -25°C
06	Permanent compression change rate, 70°C*22h, compression 25%		GB 10654	17.9%
07	Hot air aging	Tensile strength change rate	GB/T 7141	+8.0%
		Fracture elongation change rate		-3.8%
		Weight loss on heating		1.08%
Remarks	Test according to national standards: GB 1040, GB/T 529, GB/T 1671, GB 5470, GB 10654 and GB/T 7141.			

Method for laying antistatic table pad

Lay the antistatic table pad on the table, connect the button of the antistatic grounding line on the surface and connect the other end to the grounding conductor, to discharge the static electricity through the grounding line.

1. The green surface is to gather the static electricity around the table, with the resistance of $10^7 - 10^9 \Omega \text{cm}$;
2. The black bottom is a conductor $\leq 10^6 \Omega \text{cm}$, to quickly discharge the gathered static electricity;
3. The grounding line is connected with the antistatic table pad and the other end to the ground, to smoothly discharge the static electricity through the line