



导电塑料基板特性:

- A. 超长寿命 (100x10⁶次循环运行)
- B. 精确修刻提高线性度
- C. 线性度 0.1%–0.02% (根据行程确定)
- D. 重复精度 ≤0.01mm
- E. 工作速度 ≤10m/s
- F. 量程 75 到 4000 mm
- G. 低噪顺滑输出
- H. 温度系数 5ppm/k
- I. 工作温度 -50°C to 150 °C

Conductive plastic substrate characteristics:

- A. Long life (100x10⁶ cycles run)
- B. Accurate scraping improve the linearity
- C. Linearity 0.1% –0.02% (determined according to the stroke)
- D. Repeatability ≤ 0.01mm
- E. Work speed ≤ 10m / s
- F. stroke range from 75 to 2500mm
- G. smooth output and Low Noise
- H. temperature coefficient 5ppm / k
- I. Operating temperature -50°C to 150°C

導電塑料特性表 Conductive Plastic Characteristics

電阻總長	Resistance travel	mm	75–550	600–2500
阻值	Resistance	KΩ	5	10
電阻誤差	Resistance Error	± %		20
線性度	Linearity	%	0.1–0.05	0.05–0.02
重複精度	Repeatability	mm		0.01
最大工作電壓	Max.supply voltage	V	42V 電流信號時 42V Current signal	
分辨率	Resoution		無限小 infinite	
輸出平滑度	Output smoothness	%	0.1	
絕緣電阻	Insulation Resistance	MΩ	≥10	
溫度系數	T.C	ppm/k	5	
工作溫度	Operating temperature	°C	-50 • • • • 150	
壽命	Senyce Life	cycle	100×10 ⁶	
工作速度	Operating Speed	m/s	≤10	

塑料相对于金属有很多优势，主要是便于制造，耐腐蚀性好和重量轻。将DAP电阻粉末热塑压在绝缘基体的凹槽内形成的实心体就是导电塑料。因为误差等原因，例如导电塑料的厚度和宽度不均匀，导电塑料线性度不是很好，米诺拥有轨迹修刻技术，可以试想极高的线性度。数控设备会精确地修刻塑料导轨，导电塑料会被修刻到要求的线性度。米诺提供给您的不仅是合乎要求的线性度，还有随您所愿的将电阻修刻到您指定的阻值，例如5678欧姆或者8765欧姆。

The plastic has many advantages compared to metal, it is easy to manufacture with good corrosion resistance and light weight. The conductive plastic is a solid body what was pressured within the grooves of the insulating substrate with DAP resistance powder thermoplastic. Because of errors and other reasons, such as uneven the thickness and width of the conductive plastic, the linearity is not good enough. But MINOR has trimming technique to achieve high linearity. Conductive plastic can be accurately trimming for requested linearity by NC equipment. MINOR not only can provide you good linearity, but also trimming resistance value as you specified, such as 5678 Ω or 8765 Ω.