

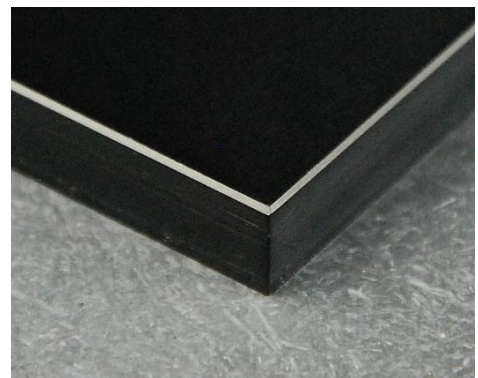
PM523 is a semi conductive paper phenol laminate material designed for manufacturing antistatic tools and carriers for sensitive electronics in high volume.

The material is very easy to fabricate in high speed due to the relatively lower density than other epoxy based antistatic material. Even though, the material still shows very high mechanical strength to guarantee stable final product.

PM523 semi conductive material will improve the production of electronics and protect the components and parts by preventing from dust collecting and static damages.

Main features

- Complete antistatic material
- Operation temperature up to 130°C
- High machining speed
- High mechanical strength
- Fine milling wall thickness down to 0.5 mm



Technical data of PM523 (June 2023)

Properties	Unit, Condition	Value (typical)
Surface Resistance / Oberflächenwiderstand	Ohm	$1 \times 10^6 \sim 10^9$
Specific Gravity / Dichte	g/cm ³	1.4
Bending Strength / Biegefestigkeit	Mpa, 23°C	194
Flexural Modulus / Elastizitätsmodul	Mpa, 23°C	10200
Max. Operating Temperature / Grenztemperatur	°C	130
Thickness Tolerance / Dickentoleranz	mm (8.0mm)	± 0.4
Water Absorption / Wasseraufnahme	%	1.24
Hardness / Härte	Rockwell	109
Material color / Farbe		Black
Standard Sheet Format / Standard Tafelformat	mm	2050 x 1025 / 1025 x 1025 (±10)
Available Thickness / Materialdicke	mm	4, 5, 6, 8, 10, 12, 15