

# GL-ESD

## Electro Static Dissipating G10 Sheet

Anti Static Epoxy Laminated Sheet: G10 laminate with black anti-static ply on one or two sides

Anti-static ply is defined as maintaining a surface conductivity between  $10^6$  and  $10^{11}$

Ideally used in conductive fixtures for electronic applications, static discharge without added metals, light weight and machinable.

Color: Black

Master Sheet Size: 36.5 x 48.5 and 40.5 x 48.5

Available thickness range: 0.020" to 2.000"

Properties	Test Method	Unit	Value
Surface Resistivity	A	$\Omega$	$10^6 - 10^9$
Breakdown Voltage Parallel to Lamination	D-48/50+D-0.5/23	Kv	$\geq 40$
Dielectric Constant	C-40/23/50	/	$\leq 5.4$
Dissipation Factor	C-40/23/50	/	$\leq 0.035$
Electric Strength	D-48/50+D-0.5/23	Kv/mm	$\geq 30$
Thermal Resistance	288°C,10s	°C	Pass
Temperature Index	/	°C	150
Flexural Strength	LW	A	$\geq 415$
	CW	A	$\geq 345$
Moisture Absorption	E-1/105+	%	$< 0.8$
Flame Resistance	A	/	VO

The values listed here are *typical values* taken from average lot-testing results and do not guarantee actual values on specific lots.

Laminate in compliance to IPC4101D/21 and MIL I 24768/27

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