



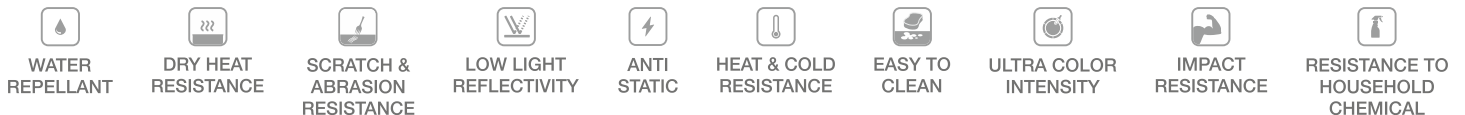
Technical Data Sheet

G-Tech®

G-Tech® antistatic laminates are preferred to eliminate the accumulation of electric charge.

It meets all the standards which are related to electrical properties in high and low humidity levels and is suitable for existing work stations and production benches in producing electronic parts panels where electric circuits are connected.

EN Classification		HGS, VGS
EN 438-3 DIN EN 61340 5-1/2	Thickness Range	0,9mm - 1,2mm - 4mm
	Dimensions	1300x3050mm / 1540x3660mm, other sizes upon request



Characteristics	Test Method	Required Value
Thickness	EN 438-2 section 5	$0.9 \leq t \leq 1.2 \text{ mm} : \pm 0.10 \text{ mm}$ $4.0 \text{ mm} : \pm 0.3 \text{ mm}$ For any other thickness – upon technical approval
Density	ISO 1183 - 1	Min. 1.35 gr/cm ³
Wear Resistance	EN 438-2 section 10 HGS , CGS VGS	Initial Point $\geq 150 \text{ Rev.}$ Wear Value $\geq 350 \text{ Rev.}$ Initial Point $\geq 50 \text{ Rev.}$ Wear Value $\geq 150 \text{ Rev.}$
Scratch Resistance	EN 438-2 section 25 VGS HGS	Min. 2 N Min. 3 N
Impact Resistance	EN 438-2 Small Ball section 20 VGS HGS Big Ball section 21 VGS HGS	Min. 15 N Min. 20 N Drop Height Min 600 mm Indent Diameter Max 10 mm Drop Height Min 800 mm Indent Diameter Max 10 mm
Crack Resistance	EN 438-2 section 23 HGS , VGS	Min. 4 N
Resistance to Dry Heat at 180°C	EN 438-2 section 16 HGS , VGS Butte surface Finish	Min. level 4
Resistance to Water Vapor	EN 438-2 section 14 HGS , VGS Butte Surface Finish	Min. Level 4
Resistance to Boiling Water	EN 438-2 section 12 Butte Surface Finish	Min. Level 4
Resistance to Cigarette Burn	EN 438-2 section 30 HGS , VGS	Min. Level 3
Resistance to Staining	EN 438-2 section 26 HGS , VGS Group 1 + 2 Group 3	Min. level 5 Min. level 4
Flatness	EN 438-2 section 9 HGS , VGS	Max. 60 mm / 1 M length

Characteristics	Test Method	Required Value
Electrical Resistance		
Rs (100v) RH = 15% + 60%	DIN EN 61340 –5-1&2 (2001)	$1 \times 10^4 \Omega \leq R_s \leq 1 \times 10^9 \Omega$
Rg (100v) RH = 15% + 60%		$7.5 \times 10^5 \Omega \leq R_g \leq 1 \times 10^9 \Omega$
Charge Decay	ASTM-D257 and ASTM-F150	Mandatory only where R_s or $R_g > 10^{10} \Omega$

Remarks :

- @ HGS = Horizontal Grade Standard Laminate
- @ VGS = Vertical Grade Standard Laminate
- @ R_s = surface resistance
- @ R_g = resistance to ground
- @ Available surface finish – Bute . For any other surface upon technical approval .
- @ Available Thickness 0.9 – 1.2 mm & 4 mm . For any other thickness upon technical Approval .
- @ Available decors – 3153 . For any other color upon technical approval .
- @ It is recommended to use Static dissipative PB (Particle Board) and Static dissipative Adhesives for laminate / Board applications .

