



Technical Data Sheet

G-Pheno[®]

Phenolic Laminete

This economic product is manufactured as HPL but without using decorative paper. G-Pheno[®] is used for urban decoration, technical materials and industrial applications.

EN Classification		VGS, VGP, HGS, VGP, CGS
EN 438 3 / 4	Thickness Range	0,50mm - 20mm
	Dimensions	940X2140mm / 1220x2440mm / 1300X2800mm 1300x3050mm / 1400X3660mm / 1540x3050mm 1540X3660mm / 1860x4200mm



WATER
REPELLANT



DRY HEAT
RESISTANCE



SCRATCH &
ABRASION
RESISTANCE



IMPACT
RESISTANCE



LOW LIGHT
REFLECTIVITY



HEAT & COLD
RESISTANCE



ULTRA COLOR
INTENSITY



RESISTANCE TO
HOUSEHOLD
CHEMICALS

Characteristics	Test Method	Required Value
Thickness	EN 438-2 section 5	$0.5 \leq t < 1.0$ mm : ± 0.10 mm $1.0 \leq t < 2.0$ mm : ± 0.15 mm $2.0 \leq t < 3.0$ mm : ± 0.20 mm $3.0 \leq t < 5.0$ mm : ± 0.3 mm $5.0 \leq t < 8.0$ mm : ± 0.4 mm $8.0 \leq t < 12.0$ mm : ± 0.5 mm $12.0 \leq t < 16.0$ mm : ± 0.6 mm $16.0 \leq t < 20.0$ mm : ± 0.7 mm $20.0 \leq t < 25.0$ mm : ± 0.8 mm $25.0 \leq t$: According To Agreement customer / producer
Density	ISO 1183 - 1	Min. 1.40 ± 0.05 gr/cm ³
Scratch Resistance	EN 438-2 section 25 CGS	Flat Surface Min. 2 N Textured Surface Min. 3 N
Impact Resistance	EN 438-2 Big Ball section 21 CGS $2.0 \leq t < 6.0$ mm $t \geq 6.0$ mm	 1400 mm height : no crack , 10 mm Max. 1800 mm height : no crack , 10 mm Max.
Surface Crack @ 80°C 20 Hours	EN 438-2 section 24 CGS	Min. level 4
Resistance to Dry Heat at 180°C	EN 438-2 section 16 CGS Glossy Surface Finish Other Surface Finish	 Min. level 3 Min. level 4
Resistance to Water Vapor	EN 438-2 section 14 CGS Glossy Surface Finish Other Surface Finish	 Min. Level 3 Min. Level 4
Resistance to Boiling Water	EN 438-2 section 12 CGS $2.0 \leq t < 5.0$ mm $t \geq 5.0$ mm Glossy Surface Finish Other Surface Finish	 Max. 5% in weight Max. 6% in thickness Max. 2% in weight Max. 2% in thickness Min. Level 3 Min. Level 4
Resistance to Cigarette Burn	EN 438-2 section 30 CGS	Min. Level 3
Resistance to Staining	EN 438-2 section 26 CGS Group 1 + 2 Group 3	 Min. level 5 Min. level 4

Characteristics	Test Method	Required Value
Flatness	EN 438-2 section 9 CGS 2.0 ≤ t < 6.0 mm 6.0 ≤ t < 10.0 mm t ≥ 10.0 mm	Max. 8 mm / 1 M length Max. 5 mm / 1 M length Max. 3 mm / 1 M length
Light fastness	EN 438-2 section 27 CGS Grey Scale	Min. level 4
High Temp. stability 70°C	EN 438-2 section 17 CGS 2.0 ≤ t < 5.0 mm t ≥ 5.0 mm	L : Max. 0.4 mm W : Max. 0.8 mm L : Max. 0.3 mm W : Max. 0.6 mm
Tensile Strength	EN ISO 527 – 2 CGS	Min. 60 MPa
Bending Strength	EN ISO 178 CGS	Min. 80 MPa

Remarks :

@ CGS = Compact Grade Standard Laminate

@ Required Values Based on 438-4



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