



Technical Data Sheet

G-Solo®

G-Solo® is produced with solid colour core to match the laminate surface to attain a unique design.

It is particularly popular in retail and cosmetic display where a very sharp clean finish is required.

EN Classification		VGS, CGS, CGF, VGF
EN 438 - 3 / 4	Thickness Range	0,8mm - 20mm
	Dimensions	940x2140mm / 1220x2440mm / 1300x2800mm 1300x3050mm / 1400x3660mm / 1540x3050mm 1540x3660mm / 1860x4200mm


WATER
REPELLANT


DRY HEAT
RESISTANCE


SCRATCH &
ABRASION
RESISTANCE


LOW LIGHT
REFLECTIVITY


HEAT & COLD
RESISTANCE


EASY TO
CLEAN


ULTRA COLOR
INTENSITY


IMPACT
RESISTANCE


RESISTANCE TO
HOUSEHOLD
CHEMICAL

Characteristics	Test Method	Required Value
Thickness	EN 438-2 section 5	$0.8 \leq t \leq 1.0 \text{ mm} : \pm 0.10 \text{ mm}$ $1.0 < t < 2.0 \text{ mm} : \pm 0.15 \text{ mm}$ $2.0 \leq t < 3.0 \text{ mm} : \pm 0.20 \text{ mm}$ $3.0 \leq t < 5.0 \text{ mm} : \pm 0.3 \text{ mm}$ $5.0 \leq t < 8.0 \text{ mm} : \pm 0.4 \text{ mm}$ $8.0 \leq t \leq 12.0 \text{ mm} : \pm 0.5 \text{ mm}$ $12.0 \leq t < 16.0 \text{ mm} : \pm 0.6 \text{ mm}$ $16.0 \leq t < 20.0 \text{ mm} : \pm 0.7 \text{ mm}$ $20.0 \leq t < 25.0 \text{ mm} : \pm 0.8 \text{ mm}$ $25.0 \leq t : \text{According To Agreement customer / producer}$
Density	ISO 1183 - 1	Min. 1.35 gr/cm ³
Wear Resistance	EN 438-2 section 10 VGS , CGS	Initial Point ≥ 150 Rev. Wear Value ≥ 350 Rev.
Scratch Resistance	EN 438-2 section 25 VGS , CGS	Flat Surface Min. 2 N Textured Surface Min. 3 N
	EN 438-2 Big Ball section 21 VGS , CGS $2.0 \leq t < 6.0 \text{ mm}$ $t \geq 6.0 \text{ mm}$	1400 mm height: no crack, 10 mm Max. 1800 mm height: no crack, 10 mm Max.
Impact Resistance	EN 438-2 section 24 VGS , CGS	Min. level 4
Surface Crack @ 80°C 20 Hours Resistance to Dry Heat at 180°C	EN 438-2 section 16 VGS , CGS Glossy Surface Finish Other Surface Finish	Min. level 3 Min. level 4
Resistance to Water Vapor	EN 438-2 section 14 VGS , CGS Glossy Surface Finish Other Surface Finish	Min. Level 3 Min. Level 4
Resistance to Boiling Water	EN 438-2 section 12 VGS , CGS $2.0 \leq t < 5.0 \text{ mm}$ $t \geq 5.0 \text{ mm}$ 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

Characteristics	Test Method	Required Value
Resistance to Cigarette Burn	EN 438-2 section 30 VGS , CGS	Min. Level 3
Resistance to Staining	EN 438-2 section 26 VGS , CGS	
	Group 1 + 2	Min. level 5
	Group 3	Min. level 4
Flatness	EN 438-2 section 9 VGS , CGS	
	2.0 ≤ t < 6.0 mm	Max. 8 mm / 1 M length
	6.0 ≤ t < 10.0 mm	Max. 5 mm / 1 M length
	t ≥ 10.0 mm	Max. 3 mm / 1 M length
Light fastness	EN 438-2 section 27 VGS , CGS Grey Scale	Min. level 4
High Temp. stability 70°c	EN 438-2 section 17 VGS , CGS	
	2.0 ≤ t < 5.0 mm	L : Max. 0.4 mm W : Max. 0.8 mm
	t ≥ 5.0 mm	L : Max. 0.3 mm W : Max. 0.6 mm
Tensile Strength	EN ISO 527 – 2 VGS , CGS	Min. 60 MPa
Bending Strength	EN ISO 178 VGS , CGS	Min. 80 MPa

Remarks :

@ CGS = Compact Grade Standard Laminate

@ VGS = Vertical Grade Standard Laminate

@ Required Values Based on 438-4