

## G-morpho Technical Data Sheet (1) :

Characteristics	Test method	Required Value
Thickness	EN 438-2 section 5	$2.0 \leq t < 3.0 \text{ mm} : \pm 0.20 \text{ mm}$ $3.0 \leq t < 5.0 \text{ mm} : \pm 0.3 \text{ mm}$ $5.0 \leq t < 8.0 \text{ mm} : \pm 0.4 \text{ mm}$ $8.0 \leq t \leq 12.0 \text{ mm} : \pm 0.5 \text{ mm}$ $12.0 \leq t < 16.0 \text{ mm} : \pm 0.6 \text{ mm}$ $16.0 \leq t < 20.0 \text{ mm} : \pm 0.7 \text{ mm}$ $20.0 \leq t < 25.0 \text{ mm} : \pm 0.8 \text{ mm}$ $25.0 \leq t : \text{According To}$ Agreement customer / producer
Density	ISO 1183 – 1	Min. 1.35 gr/cm <sup>3</sup>
Wear Resistance	EN 438-2 section 10 CGS	Initial Point $\geq 150$ Rev. Wear Value $\geq 350$ Rev.
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 $2.0 \leq t < 6.0 \text{ mm}$ $t \geq 6.0 \text{ mm}$	1400 mm height : no crack , 10 mm Max. 1800 mm height : no crack , 10 mm Max.

## G-morpho Technical Data Sheet (1) :

Characteristics	Test method	Required Value
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	Min. Level 3
	Other Surface Finish	Min. Level 4
Resistance to Water Vapor	EN 438-2 section 14 CGS Glossy Surface Finish	Min. Level 3
	Other Surface Finish	Min. Level 4
Resistance to Boiling Water	EN 438-2 section 12 CGS $2.0 \leq t < 5.0$ mm	Max. 5% in weight Max. 6% in thickness
	$t \geq 5.0$ mm	Max. 2% in weight Max. 2% in thickness
	Glossy Surface Finish	Min. Level 3
	Other Surface Finish	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	Min. Level 5
	Group 3	Min. Level 4
Flatness	EN 438-2 section 9 CGS $2.0 \leq t < 6.0$ mm	Max. 8 mm / 1 M length
	$6.0 \leq t < 10.0$ mm	Max. 5 mm / 1 M length
	$t \geq 10.0$ mm	Max. 3 mm / 1 M length

## G-morpho Technical Data Sheet (1) :

Characteristics	Test method	Required Value
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