

S-Solo Technical Data Sheet (1) :

Characteristics	Test Method	Tested Value	Required Value
Thickness	EN 438-2 section 5	According to the required thickness	$0.8 \leq t \leq 1.0 \text{ mm} : \pm 0.10 \text{ mm}$ $1.0 < t < 2.0 \text{ mm} : \pm 0.15 \text{ mm}$ $2.0 \leq t < 3.0 \text{ mm} : \pm 0.20 \text{ mm}$ $3.0 \leq t < 5.0 \text{ mm} : \pm 0.3 \text{ mm}$ $5.0 \leq t < 8.0 \text{ mm} : \pm 0.4 \text{ mm}$ $8.0 \leq t \leq 12.0 \text{ mm} : \pm 0.5 \text{ mm}$ $12.0 \leq t < 16.0 \text{ mm} : \pm 0.6 \text{ mm}$ $16.0 \leq t < 20.0 \text{ mm} : \pm 0.7 \text{ mm}$ $20.0 \leq t < 25.0 \text{ mm} : \pm 0.8 \text{ mm}$ $25.0 \leq t : \text{According To Agreement customer / producer}$
Density	ISO 1183 - 1	1.4 gr/cm ³	Min. 1.35 gr/cm ³
Wear Resistance	EN 438-2 section 10 CGS	IP = 185 Rev. Wear Value = 485 Rev.	Initial Point ≥ 150 Rev. Wear Value ≥ 350 Rev.
Scratch Resistance	EN 438-2 section 25 CGS	3 N 4 N	Flat Surface Min. 2 N Textured Surface Min. 3 N
Impact Resistance	EN 438-2 Big Ball section 21 CGS $2.0 \leq t < 6.0 \text{ mm}$ $t \geq 6.0 \text{ mm}$	No Crack , 4.5 mm No Crack , 3.5 mm	1400 mm height : no crack , 10 mm Max. 1800 mm height : no crack , 10 mm Max.

S-Solo Technical Data Sheet (1) :

Characteristics	Test Method	Tested Value	Required Value
Resistance To Crazing (20 Hours @ 80°C)	EN 438-2 section 24 CGS	Level 4	Min. Level 4
Resistance to Dry Heat at 180°C	EN 438-2 section 16 CGS		
	Glossy Surface Finish	Level 4	Min. Level 3
	Other Surface Finish	Level 5	Min. Level 4
Resistance to Water Vapor	EN 438-2 section 14 CGS		
	Glossy Surface Finish	Level 4	Min. Level 3
	Other Surface Finish	Level 5	Min. Level 4

S-Solo Technical Data Sheet (2) :

Characteristics	Test Method	Tested Value	Required Value
Resistance to Boiling Water	EN 438-2 section 12 CGS		
	$2.0 \leq t < 5.0$ mm	2.2% 3.1%	Max. 5% in weight Max. 6% in thickness
	$t \geq 5.0$ mm	0.55% 0.65%	Max. 2% in weight Max. 2% in thickness
	Glossy Surface Finish	Level 4	Min. Level 3
	Other Surface Finish	Level 5	Min. Level 4
Resistance to Staining	EN 438-2 section 26 CGS		
	Group 1 + 2	Level 5	Min. Level 5
	Group 3	Level 5	Min. Level 4
Durability of surface finish and adhesion of surfacing and edging materials	BS 6222 : 1999	Level 5 Pass	Min. rating 4
Flatness	EN 438-2 section 9 CGS		
	$2.0 \leq t < 6.0$ mm	1.23 mm	Max. 8 mm / 1 M length
	$6.0 \leq t < 10.0$ mm	1.46 mm	Max. 5 mm / 1 M length
	$t \geq 10.0$ mm	1.87 mm	Max. 3 mm / 1 M length

S-Solo Technical Data Sheet (2) :

Characteristics	Test Method	Tested Value	Required Value
Resistance to Boiling Water	EN 438-2 section 12 CGS		
	$2.0 \leq t < 5.0$ mm	2.2% 3.1%	Max. 5% in weight Max. 6% in thickness
	$t \geq 5.0$ mm	0.55% 0.65%	Max. 2% in weight Max. 2% in thickness
	Glossy Surface Finish	Level 4	Min. Level 3
	Other Surface Finish	Level 5	Min. Level 4
Resistance to Staining	EN 438-2 section 26 CGS		
	Group 1 + 2	Level 5	Min. Level 5
	Group 3	Level 5	Min. Level 4
Durability of surface finish and adhesion of surfacing and edging materials	BS 6222 : 1999	Level 5 Pass	Min. rating 4
Flatness	EN 438-2 section 9 CGS		
	$2.0 \leq t < 6.0$ mm	1.23 mm	Max. 8 mm / 1 M length
	$6.0 \leq t < 10.0$ mm	1.46 mm	Max. 5 mm / 1 M length
	$t \geq 10.0$ mm	1.87 mm	Max. 3 mm / 1 M length
Light fastness	EN 438-2 section 27 CGS		
	Grey Scale	Level 5	Min. level 4

S-Solo Technical Data Sheet (2) :

Characteristics	Test Method	Tested Value	Required Value
High Temp. stability 70°C	EN 438-2 section 17 CGS $2.0 \leq t \leq 5.0$ mm $t \geq 5.0$ mm	L : 0.22 mm W : 0.35 mm L : 0.18 mm W : 0.23 mm	L : Max. 0.4 mm W : Max. 0.8 mm L : Max. 0.3 mm W : Max. 0.6 mm
Fire Classification	EN 13501-1	See Below Remark	See Below Remark
Tensile Strength	EN ISO 527 – 2 CGS	85 MPa	Min. 60 MPa
Flexural Strength	EN ISO 178 CGS	114 MPa	Min. 80 MPa
Flexural Modulus	EN ISO 178 CGS	16,522 MPa	Min. 9000 MPa

Remarks :

- @ CGS = Compact Grade Standard Laminate
- @ VGS = Vertical Grade Standard Laminate
- @ Required Values Based on 438-4
- @ FR Grade available according to customer demand