



### G-Com Technical Data Sheet

<b>Characteristics</b>	<b>Test method</b>	<b>Tested Value</b>	<b>Required Value</b>
Thickness	EN 438-2 section 5	According to the required thickness	$2.0 \leq t \leq 3.0 \text{ mm} : \pm 0.20 \text{ mm}$ $3.0 \leq t \leq 5.0 \text{ mm} : \pm 0.3 \text{ mm}$ $5.0 \leq t \leq 8.0 \text{ mm} : \pm 0.4 \text{ mm}$ $8.0 \leq t \leq 12.0 \text{ mm} : \pm 0.5 \text{ mm}$ $12.0 \leq t \leq 16.0 \text{ mm} : \pm 0.6 \text{ mm}$ $16.0 \leq t \leq 20.0 \text{ mm} : \pm 0.7 \text{ mm}$ $20.0 \leq t \leq 25.0 \text{ mm} : \pm 0.8 \text{ mm}$ $25.0 \leq t \leq : \text{According To Agreement customer / producer}$
Density	ISO 1183 - 1	1.4	Min. 1.35 gr/cm <sup>3</sup>
Wear Resistance	EN 438-2 section 10  CGS	IP = 185 Rev. Wear Value = 485 Rev.	Initial Point $\geq 150$ Rev. Wear Value $\geq 350$ 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 $2.0 \leq t \leq 6.0 \text{ mm}$  $t \geq 6.0 \text{ mm}$	No Crack , 4,5 mm  No Crack , 3,5 mm	1400 mm height : no crack , 50 mm Max. 1800 mm height : no crack , 50 mm Max.
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 Other Surface Finish	Level 4 Level 5	Min. level 3 Min. level 4
Resistance to Water Vapor	EN 438-2 section 14 CGS  Glossy Surface Finish Other Surface Finish	Level 4 Level 5	Min. Level 3 Min. Level 4
Resistance to Boiling Water	EN 438-2 section 12 CGS $2.0 \leq t \leq 5.0 \text{ mm}$  $t \geq 5.0 \text{ mm}$  Glossy Surface Finish Other Surface Finish	2.2% 3.1% 0.55% 0.65% Level 4 Level 5	Max. 5% in weight Max. 6% in thickness Max. 2% in weight Max. 2% in thickness Min. Level 3 Min. Level 4



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<b>Characteristics</b>	<b>Test method</b>	<b>Tested Value</b>	<b>Required Value</b>
Resistance to Cigarette Burn	EN 438-2 section 30 CGS	Level 4	Min. Level 3
Resistance to Staining	EN 438-2 section 26 CGS		
	Group 1 + 2	Level 5	Min. level 5
	Group 3	Level 5	Min. level 4
Flatness	EN 438-2 section 9 CGS		
	2.0 ≤ t ≤ 6.0 mm	1.23 mm	Max. 8 mm / 1 M length
	6.0 ≤ t ≤ 10.0 mm	1.46 mm	Max. 5 mm / 1 M length
	t ≥ 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
High Temp. stability 70°C	EN 438-2 section 17 CGS		
	2.0 ≤ t ≤ 5.0 mm	L : 0.22 mm W : 0.35 mm	L : Max. 0.4 mm W : Max. 0.8 mm
	t ≥ 5.0 mm	L : 0.18 mm W : 0.23 mm	L : Max. 0.3 mm W : Max. 0.6 mm
Tensile Strength	EN ISO 527 – 2 CGS	\ 85 MPa	Min. 60 MPa
Flexural Strength	EN ISO 178 EDS , EDF	114 MPa	Min. 80 MPa
Flexural Modulus	EN ISO 178 EDS , EDF	16,522 MPa	Min. 9000 MPa
Coefficient Of Linear Thermal Expansion (COTE)	ASTM D696-08 <sup>(3)</sup>	6.0 x 10 <sup>-6</sup> mm / mm °c	—

**Remarks :**

@ CGS = Compact Grade Standard Laminate

@ Required Values Based on 438-4