



G-Com UV⁺ Technical data (1)

Characteristics	Test method	Required Value
Thickness	EN 438-2 section 5	$2.0 \leq t \leq 3.0 \text{ mm} : \pm 0.20 \text{ mm}$ $3.0 \leq t \leq 5.0 \text{ mm} : \pm 0.3 \text{ mm}$ $5.0 \leq t \leq 8.0 \text{ mm} : \pm 0.4 \text{ mm}$ $8.0 \leq t \leq 12.0 \text{ mm} : \pm 0.5 \text{ mm}$ $12.0 \leq t \leq 16.0 \text{ mm} : \pm 0.6 \text{ mm}$ $16.0 \leq t \leq 20.0 \text{ mm} : \pm 0.7 \text{ mm}$ $20.0 \leq t \leq 25.0 \text{ mm} : \pm 0.8 \text{ mm}$
Density	ISO 1183 - 1	Min. $1.35 \pm 0.05 \text{ Kg/m}^3$
Wear Resistance	EN 438-2 section 10 CGS	Initial Point $\geq 150 \text{ Rev.}$ Wear Value $\geq 350 \text{ Rev.}$
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 $2.0 \leq t \leq 6.0 \text{ mm}$ $t \geq 6.0 \text{ mm}$	1400 mm height : no crack , 50 mm Max. 1800 mm height : no crack , 50 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 $2.0 \leq t \leq 5.0 \text{ mm}$ $t \geq 5.0 \text{ mm}$ All Surface Finishes	Max. 5% in weight Max. 6% in thickness Max. 2% in weight Max. 2% in thickness Min. Level 4
Resistance to immersion in water 65°C ; 48 Hours	EN 438-2 section 15 EGS , EDS	

	<p>$2.0 \leq t \leq 5.0$ mm</p> <p>$t \geq 5.0$ mm</p>	<p>Max. 7% in weight</p> <p>Max. 5% in weight</p> <p>Color change Min. level 4</p>
Resistance to Staining	<p>EN 438-2 section 26 CGS</p> <p>Group 1 + 2</p> <p>Group 3</p>	<p>Min. level 5</p> <p>Min. level 4</p>
Flatness	<p>EN 438-2 section 9 EGS , EDS</p> <p>$2.0 \leq t \leq 6.0$ mm</p> <p>$6.0 \leq t \leq 10.0$ mm</p> <p>$t \geq 10.0$ mm</p>	<p>Max. 8 mm / 1 M length</p> <p>Max. 5 mm / 1 M length</p> <p>Max. 3 mm / 1 M length</p>
Light fastness	<p>EN 438-2 section 27 CGS</p> <p>Grey Scale</p>	<p>Min. level 4</p>
Resistance To Artificial Weathering	<p>EN 438-2 section 29 EGS Contrast Appearance</p> <p>EDS Contrast Appearance</p>	<p>Min. level 3 Min. level 4</p> <p>Min. level 3 Min. level 4</p>
Resistance To UV Light 1500 Hour	<p>EN 438-2 section 28 EGS Contrast Appearance</p> <p>EDS Contrast Appearance</p>	<p>N/A N/A</p> <p>Min. level 3 Min. level 4</p>
High Temp. stability 70°C	<p>EN 438-2 section 17 EGS , EDS</p> <p>$2.0 \leq t \leq 5.0$ mm</p> <p>$t \geq 5.0$ mm</p>	<p>L : Max. 0.4 mm W : Max. 0.8 mm</p> <p>L : Max. 0.3 mm W : Max. 0.6 mm</p>
Flexural Strength	<p>EN ISO 178 EGS , EDS</p>	<p>Min. 80 MPa</p>
Flexural Modulus	<p>EN ISO 178 EGS , EDS</p>	<p>Min. 9000 MPa</p>
Tensile Strength	<p>EN ISO 527 – 2 EGS , EDS</p>	<p>Min. 60 MPa</p>

Remarks :

@ EGS = Exterior Use Grade Standard Laminate

@ EDS = Exterior Use Heavy Duty Or Severe Use Grade Standard Laminate

@ Required Values Based on 438-6

