



MELAMINE WITH OVERLAY

Norm	Quality	Standard	M1	Posformable			
EN 438-2-4	Thickness tolerance in mm	±0,1	±0,1	±0,1	±0,1		
	Tolerance on length and width						
	On length and width in mm	-0/+10	-0/+10	-0/+10	-0/+10		
	Squareness tolerance in mm/m	≤1,5	≤1,5	≤1,5	≤1,5		
	Straightness tolerance in mm/m	≤1,5	≤1,5	≤1,5	≤1,5		
EN438-2-5	Surface defects						
	Spots in mm ² /m ²	≤1	≤1	≤1	≤1		
	Linear in mm/m ²	≤10	≤10	≤10	≤10		
EN438-2-6	Abrasion resistance in number of revolutions	≥350	Structure ≥150 Pearlescent ↑ ≥50	≥350	Structure ≥150 Pearlescent ↑ ≥50	≥350	Pearlescent ↑ ≥50
EN 438-2-7	Resistente to boiling water						
	mass	≤12 %	≤12 %	≤17,5 %	≤17,5 %	≤17,5 %	≤17,5 %
	thickness	≤14 %	≤14 %	≤19,5 %	≤19,5 %	≤19,5 %	≤19,5 %
	aspect	Class 4	Class 4	Class 4	Class 4	Class 3	Class 3
EN 438-2-8	Superficial heat resistance 180 °C						
	Brilliant BRI			Class 3	Class 3	Class 3	Class 3
	brilliant BRIHG					Class 4	Class 4
	Other surface finishes	Class 4	Class 4	Class 4	Class 4	Class 4	Class 4
EN 438-2-9	Dimensional stability						
	Longitudinal in %	< 0,30	< 0,30	< 0,30	< 0,30	< 0,40	< 0,40
	Transverse in %	< 0,60	< 0,60	< 0,60	< 0,60	< 0,60	< 0,60
EN 438-2-11	Impact resistance (small ball) in N	≥20	≥20	≥20	≥20	≥20	≥20
EN 438-2-13	Resistance to cracking	Class 4	Class 4	Class 4	Class 4	Class 4	Class 4
EN 438-2-14	Scratch resistance in N						
	brilliant BRI			≥1,5 < 2	≥1,5 < 2	≥1,5 < 2	≥1,5 < 2
	brilliant BRIHG					≥2	
	With structure	≥2	≥2	≥2	≥2		
	Other surface finishes	≥2	≥1,75		≥1,75	≥2	≥1,75
EN 438-2-15	Stain resistance						
	groups 1 and 2	Class 5	Class 5	Class 5	Class 5	Class 5	Class 5
	groups 3 and 4	Class 4	Class 4	Class 4	Class 4	Class 3	Class 3
EN 438-2-16	Solidity of the color to the artificial light	≥6	≥6	≥6	≥6	≥6	≥6
EN 438-2-18	Resistance to cigarette burns	Class 3	Class 3	Class 3	Class 3	Class 3	Class 3
EN 438-2-20	Postforming radius minimum radius in mm						
	thickness 0,8 mm					8	8
	thickness 1,0 mm					10	10
EN 438-2-22	Postforming heat resistance in seconds					≥15 s	≥15 s
EN 438-2-24	Resistance to blistering	Class 4	Class 4	Class 4	Class 4	Class 4	Class 4
	Bending radius (convex or concave) minimum radius in cm						
	thickness 0,8 mm	20	20	30	30	7	7
	thickness 1,0 mm	20	20	30	30	10	10
	Fire rating	M3	M3	M1	M1	M3	M3
	Density	1,4	1,4	1,4	1,4	1,4	1,4
	Thermal conductivity λKcal/m.h.°C	0,1 to 0,5	0,1 to 0,5	0,1 to 0,5	0,1 to 0,5	0,1 to 0,5	0,1 to 0,5
	Hygienic surface	Authorised	Authorised	Authorised	Authorised	Authorised	Authorised