

Characteristic	Method	Unit of Measure	CGS
Nominal Thickness		mm	2-20
Surface Defects	EN438:2005-2-4	mm ² /m ² mm/m ²	≤ 1 ≤ 10
Thickness	EN438:2005-2-5	mm	# 1
Length & Width	EN438:2005-2-6	mm	-0 / +10
Squareness	EN438:2005-2-7	mm/m	≤ 1.5
Edge Straightness	EN438:2005-2-8	mm/m	≤ 1.5
Flatness	EN438:2005-2-9	mm/m	# 2
Surface Wear Resistance	EN438:2005-2-10	revolutions	≥ 350
Immersion in Boiling Water	EN438:2005-2-12	Class	3 4 5 2 6 2
Resistance to Water Vapour	EN438:2005-2-14	Class	3 4
Resistance to Wet Conditions	EN438:2005-2-15	Class	/ / /
Resistance to Dry Heat (180°C)	EN438:2005-2-16	Class	3 4
Dimensional Stability	EN438:2005-2-17	%	/ 0.4 0.3 / 0.8 0.6
Resistance to Climatic Shock	EN438:2005-2-19	Class Ds Dm	/ / /
Impact Resistance (Small Ball)	EN438:2005-2-20	N	/
Impact Resistance (Large Ball)	EN438:2005-2-21	mm mm mm	1400 1800 ≤ 10
Resistance to Cracking	EN438:2005-2-23	Class	/
Resistance to Crazeing	EN438:2005-2-24	Class	4
Scratch Resistance	EN438:2005-2-25	Class	2 3
Stain Resistance	EN438:2005-2-26	Class	5 4
Light Fastness	EN438:2005-2-27	Grey Scale	4 to 5
Resistance to UV	EN438:2005-2-28	Grey Scale Class	/ /
Resistance to Artificial Weathering	EN438:2005-2-29	Class	/ / / /
Resistance to Cigarette Burns	EN438:2005-2-30	Class	3
Postforming Radius	EN438:2005-2-31	Minimum Radius mm	/
Resistance to Blistering	EN438:2005-2-33	Class	/
Density		g/cm ³	≥ 1.35
Fire Rating	(4mm ≤ thickness < 6mm) (thickness ≥ 6mm)		C-s2, d0 / /

#1 Compact Tolerance -	Nominal Thickness	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0
	Tolerance ± mm	0.2	0.3	0.3	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.8
#2 Compact Flatness -	Nominal Thickness	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0
	Compact Flatness	8	8	8	8	5	5	5	5	3	3	3	3	3	3	3	3	3	3	3

EN438 Class Definitions - Class 5 No visible change
 Class 4 Slight loss of gloss and or colour
 Class 3 Moderate loss of gloss and or colour
 Class 2 Marked loss of gloss and or colour
 Class 1 Blisters and or delamination