

Characteristic	Method	Unit of Measure	MTP
Nominal Thickness		mm	0.8
Surface Defects	EN438:2005-2-4	mm ² /m ² mm/m ²	≤ 1 ≤ 10
Thickness	EN438:2005-2-5	mm	± 0.15
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	≤ 100
Surface Wear Resistance	EN438:2005-2-10	revolutions	/
Immersion in Boiling Water	EN438:2005-2-12	Class	No Core Delamination
	Gloss		/
	Other		/
	Mass Increase (2mm ≤ thickness < 5mm)	%	/
	Mass Increase (thickness ≥ 5mm)	%	/
	Mass Increase (2mm ≤ thickness < 5mm)	%	/
	Mass Increase (thickness ≥ 5mm)	%	/
Resistance to Water Vapour	EN438:2005-2-14	Class	3 3
	Gloss		
	Other		
Resistance to Wet Conditions	EN438:2005-2-15	Class	/
	Appearance		/
	Mass Increase (2mm ≤ thickness < 5mm)		/
	Mass Increase (thickness ≥ 5mm)		/
Resistance to Dry Heat (180°C)	EN438:2005-2-16	Class	/
	Gloss		/
	Other		/
Dimensional Stability	EN438:2005-2-17	%	≤ 0.75
	Longitudinal (2mm ≤ thickness < 5mm)		/
	(Thickness ≥ 5mm)		/
	Transverse (2mm ≤ thickness < 5mm)		≤ 1.25
	(Thickness ≥ 5mm)		/
Resistance to Climatic Shock	EN438:2005-2-19	Class	/
	Appearance	Ds	/
	Flexural Strength Index	Dm	/
	Flexural Modulus Index		/
Impact Resistance (Small Ball)	EN438:2005-2-20	N	/
Impact Resistance (Large Ball)	EN438:2005-2-21	mm	/
	Height of Fall (2mm ≤ thickness < 6mm)	mm	/
	Height of Fall (thickness ≥ 5mm)	mm	/
	Diameter of Imprint		/
Resistance to Cracking	EN438:2005-2-23	Class	4
Resistance to Crazeing	EN438:2005-2-24	Class	/
Scratch Resistance	EN438:2005-2-25	Class	1 1
	Gloss		
	Other		
Stain Resistance	EN438:2005-2-26	Class	4 4
	Group 1 & 2		
	Group 3		
Light Fastness	EN438:2005-2-27	Grey Scale	4
Resistance to UV	EN438:2005-2-28	Grey Scale Class	/
	Contrast (1500hr)		/
	Appearance (1500hr)		/
Resistance to Artificial Weathering	EN438:2005-2-29	Class	/
	Contrast (335 MJ/m ²)		/
	Contrast (650 MJ/m ²)		/
	Appearance (325 MJ/m ²)		/
	Appearance (650 MJ/m ²)		/
Resistance to Cigarette Burns	EN438:2005-2-30	Class	/
Postforming Radius	EN438:2005-2-31	Minimum Radius mm	8
Resistance to Blistering	EN438:2005-2-33	Class	≥ 15
Density		g/cm ³	≥ 1.35
Fire Rating			D-s2, d0
	(4mm ≤ thickness < 6mm)		/
	(thickness ≥ 6mm)		/

EN438 Class Definitions - Class 5 No visible change
Class 2 Marked loss of gloss and or colour

Class 4 Slight loss of gloss and or colour
Class 1 Blisters and or delamination

Class 3 Moderate loss of gloss and or colour