

MTP

Characteristic	Method	Unit of Measure	MTP
Nominal Thickness		mm	0.8-0.9
Surface Defects	EN438:2016-2-4 Dirt/Spots Fibres/Hairs/Scratches	mm ² /m ² mm/m ²	≤ 1 ≤ 10
Thickness	EN438:2016-2-5	mm	± 0.15
Length & Width	EN438:2016-2-6	mm	-0 / +10
Squareness	EN438:2016-2-7	mm/m	≤ 1.5
Edge Straightness	EN438:2016-2-8	mm/m	≤ 1.5
Flatness	EN438:2016-2-9	mm/m	≤ 100
Surface Wear Resistance	EN438:2016-2-10	revolutions	/
Immersion in Boiling Water	EN438:2016-2-12 Gloss Other Mass Increase (2mm ≤ thickness < 5mm) Mass Increase (thickness ≥ 5mm) Thickness Increase (2mm ≤ thickness < 5mm) Thickness Increase (thickness ≥ 5mm) Edge rating	Class % % % %	No core delamination / / / / /
Resistance to Water Vapour	EN438:2016-2-14 Gloss Other	Class	3 3
Resistance to Wet Conditions	EN438:2016-2-15 Appearance Mass Increase (2mm ≤ thickness < 5mm) Mass Increase (thickness ≥ 5mm)	Class	/ / /
Resistance to Dry Heat (160°C)	EN438:2016-2-16 Gloss Other	Class	/ /
Dimensional Stability	EN438:2016-2-17 Longitudinal (2mm ≤ thickness < 5mm) (Thickness ≥ 5mm) Transverse (2mm ≤ thickness < 5mm) (Thickness ≥ 5mm)	%	≤ 0.75 / / ≤ 1.25 / /
Resistance to Climatic Shock	EN438:2016-2-19 Appearance Flexural Strength Index Flexural Modulus Index	Class Ds Dm	/ / /
Impact Resistance (Small Ball)	EN438:2016-2-20	N	/
Impact Resistance (Large Ball)	EN438:2016-2-21 Height of Fall (2mm ≤ thickness < 6mm) Height of Fall (thickness ≥ 5mm)	mm mm	/ /
Resistance to Cracking	EN438:2016-2-23	Class	4
Resistance to Crazing	EN438:2016-2-24	Class	/
Scratch Resistance	EN438:2016-2-25 Gloss Other	Class	1 1
Stain Resistance	EN438:2016-2-26 Group 1 & 2 Group 3	Class	4 4
Light Fastness	EN438:2016-2-27	Grey Scale	4
Resistance to UV	EN438:2016-2-28 Contrast (1500hr) Appearance (1500hr)	Grey Scale Class	/ /
Resistance to Artificial Weathering	EN438:2016-2-29 Contrast (335 MJ/m ²) Contrast (650 MJ/m ²) Appearance (325 MJ/m ²) Appearance (650 MJ/m ²)	Class	/ / / /
Postforming Radius	EN438:2016-2-31	Minimum Radius mm	10x thickness
Resistance to Blistering	EN438:2016-2-33	Class	≥ 15
Density		g/cm ³	≥ 1.35
Fire Rating	(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