

INFINITI HGP

Characteristic

Method

Unit of Measure INFINITI HGP

Characteristic	Method	Unit of Measure	INFINITI HGP
Nominal Thickness		mm	0.7
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	± 0.1
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	≤ 60
Surface Wear Resistance	EN438:2016-2-10	revolutions	≥ 200
Immersion in Boiling Water	EN438:2016-2-12 Appearance Mass Increase (2mm ≤ thickness < 5mm) Mass Increase (thickness ≥ 5mm) Thickness Increase (2mm ≤ thickness < 5mm) Thickness Increase (thickness ≥ 5mm) Edge rating	Class % % % %	4 / / / / /
Resistance to Water Vapour	EN438:2016-2-14	Class	>4
Resistance to Dry Heat (160°C)	EN438:2016-2-16	Class	>4
Resistance to Wet Heat (100°C)		Class	>4
Dimensional Stability	EN438:2016-2-17 Longitudinal (2mm ≤ thickness < 5mm) (Thickness ≥ 5mm) Transverse (2mm ≤ thickness < 5mm) (Thickness ≥ 5mm)	%	≤ 0.65 / / ≤ 1.07 / /
Impact Resistance (Small Ball)	EN438:2016-2-20	N	≥ 30
Impact Resistance (Large Ball)	EN438:2016-2-21 Height of Fall (2mm ≤ thickness < 6mm)	mm	>1000
Resistance to Cracking	EN438:2016-2-23	Class	>4
Resistance to Crazing	EN438:2016-2-24	Class	/
Scratch Resistance	EN438:2016-2-25	Class	4
Stain Resistance	EN438:2016-2-26 Group 1 & 2 Group 3	Class	5 4
Light Fastness	EN438:2016-2-27	Grey Scale	4 to 5
Resistance to UV	EN438:2016-2-28 Contrast (1500hr) Appearance (1500hr)	Grey Scale Class	/ /
Postforming Radius	EN438:2016-2-31	Minimum Radius mm	8mm
Resistance to Blistering	EN438:2016-2-33	Seconds	≥ 10
Formaldehyde emissions	EN717 EN13986	Mg/(m ² xh)	0.39 E1
VOC	Greenguard Std		Gold
Evaluation of micro-organism action	JIZ 2801 % reduction in bacterial viability Log Reduction	%	99.9 >2.2
Acid resistance	SEFA -8 section 8.1		Pass
Density		g/cm ³	≥ 1.38
Fire Rating			D-s2, d0