

TECHNICAL INFORMATION

Properties	Method	Results
Classification	EN 438-4:4	Standard CGS
Thickness		0.25" - 0.38" - 0.50"
Thickness tolerances	EN 438-4:6	0.19" ≤ t < 0.31: 0.016" 0.31" ≤ t < 0.47: 0.020" 0.47" ≤ t < 0.63: 0.024"
Length and width	EN 438-4:6	+ 0.40" / - 0"
Flatness (measured on full-size sheet)	EN 438-4:6	0.24" ≤ t ≤ 0.40": ≤0.06"/ft 0.40" ≤ t : ≤0.036"/ft
Squareness	EN 438-4:6	≤ 0.018"
Straightness of edges	EN 438-4:6	≤ 0.018"
Surface quality: · Spots, dirt and similar surface defects · Fibres, hairs and scratches	EN 438-4:6	0.0015in ² / 10.76ft ² 0.0155in ² / 10.76ft ²
Density	EN ISO 1183-1	≥ 84.27 lbs/ft ³
Flexural modulus	EN ISO 178	≥ 1,300,000psi
Flexural strength	EN ISO 178	≥ 11,500psi
Tensile strength	EN ISO 527- 2	≥ 10,000psi
Dimensional stability at elevated temperatures: · Longitudinal dimensional change · Transverse dimensional change	EN 438-2:17	≤ 0,30 % ≤ 0,60 %
Resistance to impact with large diameter ball Drop height 5.9ft – Mass of steel ball 0.82lbs · Diameter of indentation	EN 438-2:21	≤ 0.40"
Resistance to immersion in boiling water for 2 hours · Mass increase · Thickness increase · Appearance	EN 438-2:12	≤ 2 % ≤ 2 % Rating ≥ 4
Resistance to dry heat (356 °F): · Appearance	EN 438-2:16	Rating ≥ 4
Resistance to wet heat (212 °F): · Appearance	EN 12721	Rating ≥ 4
Resistance to water vapour · Appearance	EN 438-2:14	Rating ≥ 4
Resistance to cigarette burns · Appearance	EN 438-2:30	Rating 4
Resistance to scratching	EN 438-2:25	Rating 3
Resistance to cracking · Appearance	EN 438-2:24	Rating ≥ 4
Lightfastness (xenon arc) · Contrast	EN 438-2:27	Rating ≥ 4 Grey scale
Resistance to staining · Group 1 – 2 · Group 3	EN 438-2:26	Rating 5 Rating 4
Evaluation of the action of micro-organisms Methods A + C (bacteria and mould)	EN ISO 846	Biostatic
Contact with foodstuffs	EN 1186:2003	Suitable
Reaction to fire	EN 13501-1 / EN 438-7	Euroclass D-s2,d0
Formaldehyde emission	EN 717 - 1/2	Class E1