

RAUVISIO NOIR COMPACT

DATA SHEET



Properties	Test Method	Property or attribute	Unit	Result
SURFACE QUALITY				
Surface Quality	EN 438-2.4	Spots, dirt and similar surface defects	mm ² /m ²	≤ 1
		Fibers, hair and scratches	mm/m ²	≤ 10
DIMENSIONAL TOLERANCES				
Dimensional Tolerances	EN 438-2.5	Thickness tolerance	mm	12.0 ± 0.60
	EN 438-2.6	Length and width	mm	+ 10 / 0
	EN 438-2.7	Straightness of edge	mm/m	≤ 1.5
	EN 438-2.8	Squareness	mm/m	≤ 1.5
	EN 438-2.9	Flatness	mm/m	≤ 3.0
GENERAL PROPERTIES				
Resistance to surface wear	EN 438-2.10	Initial Point	Revolutions	≥ 200
Resistance to immersion in boiling water	EN 438-2.12	Mass increase	%	≤ 2
		Thickness increase	%	≤ 2
		Surface appearance	Rating	≥ 4
		Edge appearance	Rating	≥ 4
Resistance to water vapor	EN 438-2.14	Appearance	Rating	5
Resistance to dry heat (180C)	EN 438-2.16	Appearance	Rating	5
Resistance to wet heat (100C)	EN 438-2.18	Appearance	Rating	5
Dimensional stability at high temperatures	EN 438-2.17	Cumulative dimensional change	Longitudinal %	≤ 0.3
		Cumulative dimensional change	Transversal %	≤ 0.6
Resistance to impact with large diameter ball	EN 438-2.21	Drop height	mm	≥ 1800
		Indentation diameter	mm	≤ 10
Resistance to crazing	EN 438-2.24	Appearance	Rating	≥ 4
Resistance to scratching	EN 438-2.25	Appearance	Rating	≥ 4
Resistance to staining	EN 438-2.26	Appearance - Group 1 and 2	Rating	5
		Appearance - Group 3	Rating	≥ 4
Light fastness (xenon-arc)	EN 438-2.27	Contrast	Grey scale rating	≥ 4
Gloss Level	ISO 2813	Surface specular reflectance	Gloss unit	5-15 (measured at 85°)
Density	EN ISO 1183	Density	g/cm ³	≥ 1.35
Flexural modulus	EN ISO 178	Stress	MPa	≥ 9000
Flexural strength	EN ISO 178	Stress	MPa	≥ 80
Resistance to micro scratches	EN 438-2.30	Visual assessment	Rating	5

REACTION TO FIRE				
Reaction to fire	EN 133501-1	Flame spread and smoke developed	Classification	B-s1,d0
OTHER PROPERTIES				
Acids resistance	SEFA 8-PL-2016 Section 8.1	Chemical Spot Test	pass/not pass	pass
Formaldehyde Emissions	EN 13986	Formaldehyde emission rating	rating	E1
Hygiene (Suitability for Food Service)	NSF	NSF/ANSI 35	pass/not pass	pass
VOC emissions	AFNOR NF EN ISO 16000-9	Classification	Rating	A+
		Formaldehyde	mg/m3	≤ 0.002
		Acetaldehyde	mg/m3	≤ 0.002
		Toluene	mg/m3	≤ 0.002
		Tetrachloroethylene	mg/m3	≤ 0.002
		Xylene	mg/m3	≤ 0.002
		Trimethylbenzene	mg/m3	≤ 0.002
		TVOC	mg/m3	≤ 0.1
Contact with food - overall migration	EN 1186-3	3% acetic acid 24h @ 40C	mg/dm2	0.5
	EN 1186-3	50% ethanol 24h @ 40C		0.6
	EN 1186-14	95% ethanol 24h @ 40C		1.0
	EN 1186-14	isooctane 24h @ 40C		< 0.1
Contact with food - formaldehyde specific migration	EN 13130-23	3% acetic acid 24h @ 40C	mg/kg	< 15
Evaluation of micro-organisms action	JIS Z 2801:2010	Antimicrobial activity after 24h at 35C	bacterial viability: log reduction reduction%	>3.6 >99.975
Phenol Free	EN ISO 16000-9	Phenol content in resin		Phenol Free