

S. NO.	PROPERTIES	UNITS	REQUIREMENT AS PER IS 2046:1995	AIROLAM VALUES
	GRADE AND TYPE	GREENLAM POST-FORMING LAMINATES, TYPE P-VGP		
1	Thickness	mm	0.6 ± 0.1	Conforms
2	Resistance to Surface Wear	Rev.	150 (min.)	Conforms
3	Resistance to Immersion in Boiling Water			
	Mass Increase	%	21.0 (max.)	Conforms
	Thickness Increase	%	23.0 (max.)	Conforms
	Appearance	Grade	Not worse than 3	Conforms
4	Dimensional Stability at Temperature			
	Longitudinal	%	0.70 (max.)	Conforms
	Transverse	%	1.20 (max.)	Conforms
5	Resistance to Impact by Small Diameter Ball	N	15.0 (min.)	Conforms
6	Resistance to Cracking	Grade	Not worse than 4	Conforms
7	Resistance to Scratching	N	1.75	Conforms
8	Resistance to Staining			
	Group 1 & 2	Grade	Not worse than 5	Conforms
	Group 3 & 4	Grade	Not worse than 3	Conforms
9	Resistance to Colour Change			
	In Xenon-Arc Light	Grade	Not worse than 6	Conforms
	In Enclosed Carbon-Arc Light	Grade	Not worse than 5	Conforms
10	Resistance to Steam	Grade	Not worse than 3	Conforms
11	Formability (Radius)	mm	10 (min.)	Conforms
12	Resistance to Blistering	Sec.	10 (min.)	Conforms

BIO-CHEMICAL PROPERTY	STANDARD	UNIT	REQUIREMENT	TEST RESULT
Antiviral Efficacy & Activity	ISO 21702-2019	% Reduction in 10 minutes	No requirement	90.0% (Min.)
		% Reduction in 30 minutes	95% (Min.)	99.0% (Min.)
Virus tested		SARS CoV-2		
Antibacterial Efficacy & Activity	ISO 21702-2019	% Reduction in 2 hours	No Requirement	90% (Min.)
		% Reduction in 24 hours	95.0 (Min.)	99.9% (Min.)
Virus tested		Activity after 24 hours	2.0 (Min.)	Exceeds
		MS2 Bacteriophage		
Antibacterial Efficacy & Activity	JIS 2801-2012	% Reduction in 24 hours	95.0 minimum	99.99
		Activity after 24 hours	2.0 (Min.)	Exceeds
Bacteria tested		1. Pseudomonas Aeruginosa, 2. Enterococcus Faecalis, 3. Candida Albicans, 4. Pseudomonas Aeruginosa, 5. Escherichia Coli, 6. Klebsiella Pneumoniae, 7. MRSA (Methicillin Resistant Staphylococcus Aureus), 8. Salmonella Enterica		
Antifungal Efficacy	ASTM G-21-2015	Growth after 28 days	Rating 1	Rating O (No Growth)
Fungus tested		1. Aspergillus niger, 2. Penicillium funicolosum, 3. Gliocladium virens, 4. Chaetobium globosum, 5. Aurobasidium pullulans		

NOTE: Whereas the AIROLAM Laminates products are manufactured to thorough standards, the nature of the application procedure is beyond our control. The values given above are to the best of knowledge but without liability/warranty, expressed or implied.