TECHNICAL SPECIFICATIONS



S.No.	PROPERTIES	TEST STANDARD	UNIT	SPECIFIED Values	AIROLAM VALUES	SPECIFIED Values	AIROLAM VALUES
1	Classification & Test Protocol	IS 2046 : 1995		HGS, Thickn	ess 1.0 mm	HGS, Thickno	ess 1.5 mm
		PHYSICAL	& DIMENSIONAL F	PROPERTIES			
2	Nominal Thickness		mm	1.0		1,5	
3	Thickness variation	Clause - 5.3	mm	1.0 ± 0.10	Conforms	1.5 ± 0.15	Conforms
4	Tolerance on Length	Clause - 5.4.6	mm	+10, -NiI	Conforms	+10, -NiI	Conforms
5	Tolerance on Width	Clause - 5.4.6	mm	+10, -NiI	Conforms	+10, -NiI	Conforms
6	Straightness of edges	Clause - 5.4.7	mm/m	1.5 (max.)	Conforms	1.5 (max.)	Conforms
7	Squareness	Clause - 5.4.8	mm/m	1.5 (max.)	Conforms	1.5 (max.)	Conforms
8	Density	EN ISO 1183 -1:2004	kg/m3	1360 - 1400	Conforms	1360 - 1400	Conforms
9	Dimensional Stability at Elevated Temperatu	res					
	Longitudinal Direction	n Annex - F	%	0.55 (max.)	Conforms	0.44 (max.)	Conforms
	Transverse Direction	n Annex - F	%	1.05 (max)	Conforms	0.86 (max)	Conforms
10	Dimensional Stability at 20°C						
	Longitudinal Direction	n Annex - G	%	0.38 (max.)	Conforms	0.32 (max.)	Conforms
	Transverse Direction	n Annex - G	%	0 60 (max)	Conforms	0 48 (max)	Conforms
		ME	NIANICAL DDODE				
44	Desistance to Insurancian in Delling Western	IVIEC	CHANICAL PROPER	11169			
11	Resistance to Immersion in Boiling Water	. A D	0/	40.0 ()	0	7.5 ()	0
	Mass Increase		%	10.0 (max.)	Conforms	7.5 (max.)	Conforms
	Thickness Increase		%	11.8 (max.)	Conforms	8.0 (max.)	Conforms
4.0	Appearance		Grade	Not worse than 4	Conforms	Not worse than 4	Conforms
12	Resistance to Impact by Small Diameter Ball			00	0 (00	0 (
10	Spring Force		N	20	Conforms	20	Conforms
13	Resistance to Cracking	Annex - K	Grade	Not worse than 4	Conforms	Not worse than 4	Conforms
		SI	JRFACE PROPERT	IES			
14	Resistance to Scratching	Annex - L	N	2.0 (min.)	Conforms	2.0 (min.)	Conforms
15	Resistant to Steam	Annex - T	Grade	Not worse than 4	Conforms	Not worse than 4	Conforms
16	Resistance to Water Vapor	EN 438-2-14	Class	Not worse than 4	Conforms	Not worse than 4	Conforms
17	Resistance to Dry Heat at 180° C						
	Gloss Finish	n Annex - E	Grade	Not worse than 3	Conforms	Not worse than 3	Conforms
	Other Finish	n Annex - E	Grade	Not worse than 4	Conforms	Not worse than 4	Conforms
18	Resistance to Surface Wear	Annex - C	Rev.	350 (min.)	Conforms	350 (min.)	Conforms
19	Resistance to Cigarette Burns	Annex - P	Grade	Not worse than 3	Conforms	Not worse than 3	Conforms
20	Resistance to staining						
	Group 1 & 2	2 Annex - M	Grade	Not worse than 5	Conforms	Not worse than 5	Conforms
	Group 3 & 4		Grade	Not worse than 4	Conforms	Not worse than 4	Conforms
21	Resistance to Color Change						
	In Xenon Arc Lamp	Annex - N	Grade	Not worse than 6	Conforms	Not worse than 6	Conforms
		HEALTH O FAIL	UDONBAENTAL OU	ADAOTEDIOTIOS			
			VIRONMENTAL CHA	ARACTERISTICS	\/=0		\/F0
22	Food safe	EN 13130-1	-	-	YES	-	YES
23	Contents' migration as per Food	EN 1186-1, 3 & 14: 2002	Migration	Migration of Sim	ulants is less than n	naximum permitted by F	legulation
	Commission Regulation						
24	Formaldehyde emission (release)	EN 16516-2017	ppm	0.1	0.02	0.1	0.02
25	Volatile Organic Compounds	ISO 16000-9	Class	-	А	-	А
00	(VOC) Emission	UL 2818 - 2013	Certification				
26	Anti-Viral Efficacy & activity	100 01700 0010	24	050/ /	00.00/ / : :	050(())	00.00/ / / :
	% Reduction in 24 hours		%	95% (min.)	99.9% (min.)	95% (min.)	99.9% (min.)
0-	Activity after 24 hours	S	Log Reduction	2.0 (min.)	Exceeds	2.0 (min.)	Exceeds
27	Anti-bacterial Efficacy & activity	110 0004 0040		05.5			
	% Reduction in 24 hours		%	95.0 (min)	99.99	95.0 (min)	99.99
	Activity after 24 hours	3	Log Reduction	2.0 (min)	Exceeds	2.0 (min)	Exceeds
28	Anti-Fungus Efficacy	ASTM G-21-2015					
	Growth after 28 days		Class	1	0 (No Growth)	1	0 (No Growth