

PROCAP Technical Sheet

NO.	Property	Test Method	Test results	Remark
1	Abrasion resistance	ASTM D4060-10	35mg(1000cycles)	
2	Shore hardness	ASTM D2240-05	D70/1	
3	Boiling test	EN15534	Water absorption in weight: 0.43%	
4	Bond Strength	EN319	Average Bond Strength3.4MPa No obvious abruption and damage after test	
5	Coefficient Linear Thermal Expansion	ASTM D696	33.12×10-6 mm/mm℃	
6	Content of pentachlorophenol	CE(EN14041(2004))	2.35ppm	
7	Creep Recovery	ASTM D7032	Creep Recovery after 24h: 89.3%	
8	Degree of chalking	EN15534	Rating 0, no chalking.	
9	Electrostatic behaviour	EN1815	Body-Voltage: 1.05kV This floor covering can be classified as antistatic	
10	Fire Resistance	BS476-7	Class 2	Only when specifically ordered with additive
		EN13501-1, EN ISO9239-1,	Reaction to fire classification: GB8624B1(B-s1, t1)	
		EN ISO 9239-1 EN ISO11925-2	classification: Bfl-s1	
		GB8624, GB11785, GB8626, GB20286	Reaction to fire classification: GB8624B1(B-s1, t1)	
		ASTM E84	Flame Spread Index(FSI): 84 Smoke Developed Index(SDI): 305	
11	Falling mass impact resistance	ASTM D 4812-11	88J/m C(Complete break)	
12	Formaldehyde Content	EN717-1	Non Dectectable	
		ASTM D6007-14	Non Dectectable	
13	Flexural properties	D790-10	Flexure Strength: 34.5Mpa Flexure Modulus: 3510Mpa	
14	Heavy Metal Content	EPA3051	Sb:ND, As:ND, Se:ND, Sn:ND	
15	Heat reversion	EN15534 EN479	Test temperature: 100℃ :0.18%	
16	Heat build-up	EN15534	Δ T=-2.85℃	
17	Lead Content Test	EUNo.628/2015	Non Dectectable	
18	Mould resistance	ASTM G21	Rating 0	
19	Moisture Content	EN15534 EN322	0.66%	
20	Neutral salt spray test	ASTM B117-2011	After 200 hours tests, there was no visible change appeared on the surface: Front surface: Δ E*=1.34, Grey Scale:4-5 Back surface: Δ E*=1.036, Grey Scale:4-5	
		EN15534 ISO9227	Δ E*=1.48, Grey Sale=4 (Exposure 96h)	
21	Pb, Cd, Hg, Cr6+	RoHs-IEC62321	Pb:ND, Cd:ND, Hg:ND, Cr6+:ND	

22	Resistance to scratch test	ISO4586-2	Rate 2	
23	Resistance to indentation	EN15534	Apply 2000N load Brinell hardness: 75Mpa, Rate of elastic recovery: 68%	
24	Resistance to artificial weathering	EN15534 ISO4892-2	After 2000h exposure $\Delta E^* = 1.05$, Grey Scale=4-5	
25	Slip resistant (Oil-wet ramp test)	DIN51130:2014	Angle: 19.8 ° Rating: R 11	
26	Water absorption (24hours immersion)	ASTM D570-98(2010)	0.63%	
27	SRI Testing	ASTM C1549, ASTM C1371, ASTM E1980	18	
28	Thermal Resistance	ASTM C518-2010	Thermal conductivity: 0.1469W/(m·k) Thermal resistance: 0.0790(m ² ·K)/W	
29	Thermal conductivity	EN 12667:2001	0.179W/m·K	
30	VOC&TVOC	ASTM D5116-11	Non Detectable	