

LUXECAP Technical Sheet

NO.	Property	Test Method	Test results	Remark
1	Abrasion resistance	ASTM D4060-10	37mg(1000cycles)	
2	Shore hardness	ASTM D2240-05	D66/1	
3	Boiling test	EN15534	Water absorption in weight: 0.38%	
4	Bond Strength	EN319	Average Bond Strength 3.2MPa No obvious abruption and damage after test	
5	Coefficient Linear Thermal Expansion	ASTM D696	31.58×10 ⁻⁶ mm/mm °C	
6	Content of pentachlorophenol	CE(EN14041(2004))	2.29ppm	
7	Creep Recovery	ASTM D7032	Creep Recovery after 24h: 90.2%	
8	Degree of chalking	EN15534	Rating 0, no chalking.	
9	Electrostatic behaviour	EN1080-1998	1.9 x 10 ⁹ Ω	
10	Falling mass impact resistance	ASTM D 4812-11	79J/m C(Complete break)	
11	Formaldehyde Content	EN717-1	Non Dectectable	
		ASTM D6007-14	Non Dectectable	
12	Flexural properties	D790-10	Flexure Strength: 36.4Mpa Flexure Modulus: 3680Mpa	
13	Heavy Metal Content	EPA3051	Sb:ND, As:ND, Se:ND, Sn:ND	
14	Heat reversion	EN 15534 EN479	Test temperature: 100 °C :0.13%	
15	Heat build-up	EN15534	Δ T=-2.34 °C	
16	Lead Content Test	EUNo.628/2015	Non Dectectable	
17	Mould resistance	ASTM G21	Rating 0	
18	Moisture Content	EN 15534 EN322	0.59%	
19	Neutral salt spray test	ASTM B117-2011	After 200 hours tests, there was no visible change appeared on the surface: Front surface: Δ E*=1.38, Grey Scale:4-5 Back surface: Δ E*=1.096, Grey Scale:4-5	
		EN15534 ISO9227	Δ E*=1.39, Grey Sale=4 (Exposure 96h)	
20	Pb, Cd, Hg, Cr6+	RoHs-IEC62321	Pb:ND, Cd:ND, Hg:ND, Cr6+:ND	
21	Resistance to scratch test	ISO4586-2	Rate 2	
22	Resistance to indentation	EN15534	Apply 2000N load Brinell hardness: 73Mpa, Rate of elastic recovery: 67%	
23	Resistance to artificial weathering	EN 15534 ISO4892-2	After 2000h exposure Δ E*=1.09, Grey Sale=4-5	
24	Slip resistant (Oil-wet ramp test)	DIN51130:2014	Angle: 19.6 ° Rating: R 11	
25	Water absorption (24hours immersion)	ASTM D570-98(2010)	0.59%	

26	SRI Testing	ASTM C1549, ASTM C1371, ASTM E1980	20	
27	Thermal Resistance	ASTM C518-2010	Thermal conductivity: 0.1547W/(m·k) Thermal resistance: 0.0732(m ² ·K)/W	
28	Thermal conductivity	EN 12667:2001	0.135W/m·K	
29	VOC&TVOC	ASTM D5116-11	Non Dectectable	