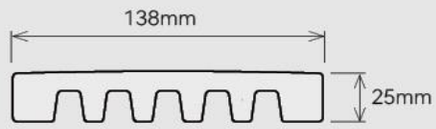
Technical Sheet
US129



NO.	Property	Test Method	Test results	Remark
1	Abrasion resistance	ASTM D4060	28.4mg(1000cycles)	
2	Brinell hardness	EN1534	8.2N/mm^2	
3	Boiling test	EN15534	Water absorption in weight: 0.68%	
4	Bond Strength	EN319	Average Bond Strength>2.3MPa No obvious abruption and damage after test	
5	Coefficient Linear Thermal Expansion	ASTM D696	35.6×10^{-6} mm/mm °C	
		EN15534	34.0×10^{-6}K^{-1}	
6	Content of pentachlorophenol	EN14041	Non Detected	
7	Degree of chalking	EN15534	Rating 0, no chalking	
8	Falling mass impact resistance	EN15534	Max Crack length(mm): No crack. Max Residual Indentation(mm): 0.14	
9	Formaldehyde Content	EN717-1	Non Detected	
		ASTM D6007	Non Detected	

10	Flexural properties	ASTM D6109	Bending Strength: 15.5Mpa, Modulus of elasticity: 3.20Gpa, Maximum load: 3186N	Span:400mm
11	Heavy Metal Content	EPA3051	Sb: ND, As: ND, Se: ND, Sn: ND	
12	Heat reversion	EN15534 EN479	0.20% (Test temperature: 100°C)	
13	Lead Content Test	EUNo.628/2015	Non Detected	
14	Mould Resistance	ASTM G21	Rating 0	
15	Moisture Content	EN15534 EN322	0.48%	
16	Neutral salt spray test	ASTM B117	After 200 hours tests, there was no visible change appeared on the surface: Front surface: △E*=1.22 , Grey Scale: 4-5 Back surface: △E*=1.06 , Grey Scale: 4-5	
		EN15534 ISO9227	△E*=1.42 , Grey Scale=4 (Exposure 96h)	
17	Pb, Cd, Hg, Cr6+	RoHs-IEC62321	Pb: ND, Cd: ND, Hg: ND, Cr6+: ND	
18	Resistance to artificial weathering	EN15534 ISO4892-2	After 2000h exposure △E*=1.09, Grey Scale=4-5	
19	Rockwell Hardness	ASTM D785	78.7R	
20	Slip Resistance	DIN51130	Oil-wet ramp test: Angle: 13.4° , Rating: R10	Pattern: Y61
21	Swelling and water absorption (24hours immersion)	EN15534	①Swelling: 0.28% in thickness, 0.01% in width, 0.01% in length. ②Water absorption: 0.21%	
22	Swelling and water absorption (28days immersion)	EN15534	①Swelling: 1.02% in thickness, 0.02% in width, 0.03% in length. ②Water absorption: 1.16%	
23	SRI Testing	ASTM C1549, ASTM C1371, ASTM E1980	19	
24	Thermal Resistance	ASTM C518	Thermal conductivity: 0.1589W/(m·k) Thermal resistance: 0.0830(m^2·K)/W	

25	Thermal Conductivity	EN14041	0.19738W/m·K	
26	UV Weathering test	ASTM G154	After 3000 hours test, Grey Scale 4-5, △E*=1.42	
27	VOC&TVOC	ASTM D5116	Non Detected	