


Cladding (UH67) Technical Sheet

Model	Photo	Dimension
UH67		142 x 13 mm (5.6 x 0.5 in)

NO.	Property	Test Method	Test results	Remark
1	Boiling test	EN15534	Water absorption in weight: 1.10%	
2	Coefficient Linear Thermal Expansion	ASTM D696	$38.9 \times 10^{-6} \text{mm/mm } ^\circ\text{C}$	
		EN15534	$32.2 \times 10^{-6} \text{K}^{-1}$	
3	Degree of chalking	EN15534	Rating 0, no chalking	
4	Falling mass impact resistance	EN15534	Max Crack length(mm): No crack. Max Residual Indentation(mm): 0.14	
5	Formaldehyde Content	EN717-1	Non Detected	
		ASTM D6007-14	Non Detected	
6	Heavy Metal Content	EPA3051	Sb: ND, As: ND, Se: ND, Sn: ND	
7	Heat reversion	EN15534 EN479	0.17% (Test temperature: 100 °C)	
8	Heat build-up	EN15534	$\Delta T = -2.7 ^\circ\text{C}$	
9	Lead Content Test	EUNo.628/2015	Non Detected	
10	Mould resistance	ASTM G21	Rating 0	
11	Moisture Content	EN15534 EN322	0.83%	
12	Neutral salt spray test	ASTM B117-2011	After 200 hours tests, there was no visible change appeared on the surface: Front surface: $\Delta E^* = 1.22$, Grey Scale: 4-5 Back surface: $\Delta E^* = 1.06$, Grey Scale: 4-5	
		EN15534 ISO9227	$\Delta E^* = 1.42$, Grey Scale=4 (Exposure 96h)	

NO.	Property	Test Method	Test results	Remark
13	Pb, Cd, Hg, Cr ⁶⁺	RoHs-IEC62321	Pb: ND, Cd: ND, Hg: ND, Cr ⁶⁺ : ND	
14	Resistance to scratch test	ISO4586-2	Rate 2	
15	Resistance to artificial weathering	EN15534 ISO4892-2	After 2000h exposure $\Delta E^*=1.09$, Grey Scale=4-5	
16	Swelling and water absorption (24hours immersion)	EN15534	① Swelling: 0.06% in thickness, 0.03% in width, 0.03% in length. ② Water absorption: 0.49%	
17	Swelling and water absorption (28days immersion)	EN15534	① Swelling: 0.78% in thickness, 0.07% in width, 0.12% in length. ② Water absorption: 1.66%	
18	SRI Testing	ASTM C1549 ASTM C1371 ASTM E1980	19	
19	Thermal Resistance	ASTM C518-2010	Thermal conductivity: 0.1589W/(m·k) Thermal resistance: 0.0830(m ² ·K)/W	
20	Thermal conductivity	CE (EN14041(2004))	0.19738W/m·K	
21	UV Weathering test	ASTM G154	After 3000 hours test, Grey Scale 3, $\Delta E^*=3.56$	
22	VOC&TVOC	ASTM D5116-11	Non Detected	
23	Water absorption	ASTM D1037-12B (24h)	Water absorption(24h): 0.2%	