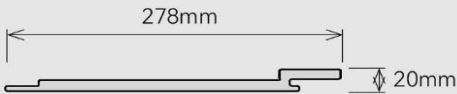


Technical Sheet

US86



NO.	Property	Test Method	Test results	Remark
1	Boiling test	EN15534	Water absorption in weight: 0.58%	
2	Coefficient Linear Thermal Expansion	ASTM D696	$38.9 \times 10^{-6} \text{ mm/mm } ^\circ\text{C}$	
		EN15534	$34.0 \times 10^{-6} \text{ K}^{-1}$	
3	Degree of chalking	EN15534	Rating 0, no chalking	
4	Formaldehyde Content	EN717-1	Non Detected	
		ASTM D6007	Non Detected	
5	Heavy Metal Content	EPA3051	Sb: ND, As: ND, Se: ND, Sn: ND	
6	Heat reversion	EN15534 EN479	0.10% (Test temperature: 100°C)	
7	Lead Content Test	EUNo.628/2015	Non Detected	
8	Mould resistance	ASTM G21	Rating 0	
9	Moisture Content	EN15534 EN322	0.30%	

10	Neutral salt spray test	ASTM B117	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)	
11	Pb, Cd, Hg, Cr6+	RoHs-IEC62321	Pb: ND, Cd: ND, Hg: ND, Cr6+: ND	
12	Resistance to artificial weathering	EN15534 ISO4892-2	After 2000h exposure $\Delta E^*=1.09$, Grey Scale=4-5	
13	Swelling and water absorption (24hours immersion)	EN15534	①Swelling: 0.24% in thickness, 0.01% in width, 0.01% in length. ②Water absorption: 0.18%	
14	Swelling and water absorption (28days immersion)	EN15534	①Swelling: 0.50% in thickness, 0.02% in width, 0.04% in length. ②Water absorption: 0.60%	
15	SRI Testing	ASTM C1549 ASTM C1371 ASTM E1980	19	
16	Thermal Resistance	ASTM C518	Thermal conductivity: 0.1589W/(m·k) Thermal resistance: 0.0830(m ² ·K)/W	
17	UV Weathering test	ASTM G154	After 3000 hours test, Grey Scale 4-5, $\Delta E^*=1.42$	
18	VOC&TVOC	ASTM D5116	Non Detected	
19	Installation Span	Manufacturers Specification	16"(406mm) on center	