



LUCKY BACKSHEET FOR SOLAR MODULE Type: FPE-350B (White)

Item	Specification	Value	Method	
1	Vapor transmission rate (g/m ² · d)	≤ 1.5	ASTMF-1249	
2	Partial discharge (VDC)	> 1000	IEC60664-1:2002	
3	Breakdown voltage (KV)	> 24	ASTM D-149-97a	
4	Tensile strength (350mm/min)	MD (MPa)	≥ 110	ASTM D882-02
		TD (MPa)	≥ 110	ASTM D882-02
5	Elongation to break	MD (%)	≥ 120	ASTM D882-02
		TD (%)	≥ 100	ASTM D882-02
6	Heat shrinkage (150°C/30min)	MD (%)	≤ 1.0	ASTM D882
		TD (%)	≤ 0.5	ASTM D882
7	EVA adhesion (N/cm)	≥ 60	GB/T8808-A	
8	Layer peel strength	≥ 5.0	GB/T8808-A	
9	Weather-proof layer adhesion	0 class	GB/T8808	
10	Ageing-resistant performance (hour)	≥ 2000	GB/T 16422.2	
11	Reflection	≥ 93%	GB/T2680-1994	

Test passed	Result
Anti-scratch	✓
Temperature/Moisture	✓
Cool & heat cycle	✓
Mechanical load	✓
Boiling water	✓
Ultraviolet radiation	✓
Lamination with EVA	✓
Junction box	✓
Vacuum lamination	✓

