



PVDF COATING COILS

Performance parameters

No	Testing Item	Standard	Chinese National Standard	Testing result
1	Color difference	ECCA T3	$\Delta E \leq 2.0$	$\Delta E \leq 1.5$
2	Gloss	ECCA T2	Deviation ≤ 10	Deviation ≤ 5
3	Coating thickness	ECCA T1	Double coats minimum 23 μm	$\geq 25 \mu\text{m}$
			Three coats minimum 30 μm	$\geq 34 \mu\text{m}$
4	Pencil hardness	ECCA T4	$\geq \text{HB}$	HB
5	Bending	ASTM D4145	$\leq 2T$	$\leq 2T$
6	Adhesion	ASTM D3359	0级	0级
7	Impact resistance	ASTM D2794	$\geq 50\text{kg. cm}$	$\geq 50\text{kg. cm}$
8	Boiling water resistance	GB/T17748	2h No change	4h No change
9	Solvent resistant	ASTM D2248	200times without leakage	200times without leakage
10	Acid resistance	ASTM D1308	5%HCL 24h	No change
11	Alkaline resistant	ASTM D1308	5%NaOH 24h $\Delta E \leq 2.0$ no change	No change
12	Nitric acid resistance	AAMA620	无变化 $\Delta E \leq 5.0$	$\Delta E \leq 5.0$
13	Oil resistance	ASTM D1308	20# oil 24h No change	No change
14	Salt spray resistance	ASTM B117	Minimum level 1	No change
15	Abrasion resistance	ASTM D968	$\geq 5\text{L}/\mu\text{m}$	$\geq 5\text{L}/\mu\text{m}$
16	Stickiness and stain resistance	GB/T9780	$\leq 5\%$	$< 5\%$
17	Colour retention	GB/T16259	$\Delta E \leq 4.0$	$\Delta E \leq 3.0$
18	Light loss level		Minimum level 2	Minimum level 2
19	Degree of chalking		No change	No change