



PE COIL COATING TECHNICAL DATA (Thickness ≤ 0.5mm)

No.	Testing Item	Standard	Chinese National Standard	Testing result
1	Colour difference	ECCA T3	$\Delta E \leq 2.0$	$\Delta E \leq 1.5$
2	Gloss	ECCA T2	Deviation $\leq 10$	Deviation $\leq 5$
3	Coating thickness	ECCA T1	Minimum 14 $\mu\text{m}$	$\geq 16 \mu\text{m}$
4	Pencil hardness	ECCA T4	$\geq \text{HB}$	HB
5	Bending	ASTM D4145	$\leq 3T$	$\leq 2T$
6	Adhesion	ASTM D3359	0	0
7	Impact resistance	ASTM D2794	$\geq 20 \text{kg.cm}$	$\geq 20 \text{kg.cm}$
8	Boiling water resistance	GB/T17748	2h No change	2h No change
9	Solvent resistance	ASTM D2248	200 times without leakage	200 times without leakage
10	Salt spraying resistance	ASTM B117	720hrs Minimum level 1	No change
11	Stickiness and stain resistance	GB/T9780	$\leq 5\%$	$< 5\%$
12	Colour retention	GB/T16259	600hrs $\Delta E \leq 2.0$	$\Delta E \leq 2.0$
13	Light loss level		600hrs level 2	600hrs Minimum level 2
14	Degree of chalking		2h No change	2h No change

PE COIL COATING TECHNICAL DATA Thickness > 0.5mm

序号	检测项目	规范	国家标准要求	检测结果
1	Colour difference	ECCA T3	$\Delta E \leq 2.0$	$\Delta E \leq 1.5$
2	Gloss	ECCA T2	Deviation $\leq 10$	Deviation $\leq 5$
3	Coating thickness	ECCA T1	At least 14 $\mu\text{m}$	$\geq 18 \mu\text{m}$
4	Pencil hardness	ECCA T4	$\geq \text{HB}$	HB
5	Bending	ASTM D4145	$\leq 3T$	$\leq 2T$
6	Adhesion	ASTM D3359	Grade 0	Grade 0
7	Impact resistance	ASTM D2794	$\geq 50 \text{kg.cm}$	$\geq 50 \text{kg.cm}$
8	Boiling water resistance	GB/T17748	2h No change	2h No change
9	Solvent resistance	ASTM D2248	200 times without leakage	200 times without leakage
10	Salt spraying resistance	ASTM B117	720hrs $\geq$ level 1	No change
11	Stickiness and stain resistance	GB/T9780	$\leq 5\%$	$< 5\%$

12	Colour retention	GB/T16259	600hrs $\Delta E$ $\leq 2.0$	$\Delta E \leq 2.0$
13	Light loss level		600hrs level 2	600hrs Minimum level 2
14	Degree of chalking		No change	No change