

概述General Description

P3501-2是一种中等反应性的聚酯树脂，设计用于50:50的混合粉末涂料。P3501-2 is a medium reactivity polyester resin, designed for 50:50 hybrid powder coatings. Coatings based on it exhibit:

有良好的贮存稳定性Very good storage stability

良好的流平Good flow

良好的机械性能Outstanding mechanical properties

良好的耐黄性能Good yellowing resistance

挤出 & 应用条件Extrusion & Application Conditions

挤出机Extruder: 凌宇 SLJ-25 Lingyu SLJ-25

温区I Zone I temp: 85-105℃

温区II Zone II temp: 80-120℃

螺杆转速Screw sp: 400-500rpm

板材Panel: 0.5mm 预处理冷轧钢板 0.5mm pre-treated cold-rolled steel

配枪Spray gun: 凌宇SJ-05 Lingyu SJ-05

电压Voltage: 60-90kV

固化条件Curing c: 10min. @ 200℃

包装Packaging

白色PE袋, 净重25kg/袋, 1000kg/托盘. White PE bag, N.W. 25kg/bag, 1000kg/pallet.

大包装袋: 750KG Big bags 750 kg

贮存Storage

置于干燥、温度低于30°C处的密闭容器内，本产品可稳定贮存至少1年，避免阳光照射。

The product can be stably stored for at least one year when kept in closed containers in a dry place at temperature below 30°C.

Avoid exposure to direct sunlight.

产品说明Product Specifications

特性Property	范围Range	测试方法Test Method
外观Appearance	颗粒状Pale granules	目视Visual
酸值Acid value	70-76 mgKOH/g	ASTM D1639
粘度Viscosity	3000-5000 mPa.s	ASTM D4287
加德纳色度Color	Max 3	ASTM D1544
玻璃化转变温度Tg	appr.59	DSC

基础配方Starting Formulation

成分Component	重量Weight
P 3501-2	32.5
环氧树脂Epoxy resin	32.5
钛白粉Titanium dioxide	33.5
流平剂LC-88 Flow agent	1.0
安息香Benzoin	0.5

涂层特性Film Properties

测试项目Item	结果Result	测试方法Test Method
涂膜厚度, μm Film thickness, μm	approx. 60	ASTM D1186
光泽度 @ 60°, % Gloss @ 60°, %	min.90	ASTM D523
正/反冲击测试, inch lbs Direct/reverse impact, inch lbs	160/160	ASTM D2794
1/8" 弯曲测试 1/8" Conical mandrel	通过pass	ASTM D522
附着力(十字划痕) Adhesion(cross cut)	5B	ASTM D3359
铅笔硬度 (Mar) Pencil hardness	H	ASTM D3363