

概述General Description

50:50 型聚酯树脂，用户混合型粉末涂料。
50:50 type polyester resin, for hybrid powder coatings purposes

中等反应速度Medium reactivity
良好的流平Good flow
良好储存性能Good storage stability
高Tg High Tg

挤出 & 应用条件Extrusion & Application Conditions

挤出机Extruder:: 凌宇 SLJ-20 Lingyu SLJ-20
温区I Zone I temp: 85~105°C
温区II Zone II temp:: 90~110°C
螺杆转速Screw speed: 400~500rpm
板材Panel: 0.7mm 预处理冷轧钢板 0.7mm 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 cycles: 10min. @ 200°C

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Clear granules | 目视Visual |
| 粘度Viscosity | 20~40 pa.s | ASTM D4287 |
| 酸值Acid value | 68~75 mg KOH/g | ASTM D1639 |
| 颜色Color | Max 5 | ASTM D1544 |
| Tg | appr. 62 | DSC |

基础配方Starting Formulation

| 成分Component | 重量Weight |
|---------------------|----------|
| P 3506S | 50.0 |
| LC-603H | 50.0 |
| 钛白粉Titanium dioxide | 50.0 |
| 流平剂LC-88 Flow agent | 1.5 |
| 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. 93 unit | ASTM D523 |
| 正/反冲击测试, inch lbs Direct/reverse impact, inch | 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 |