

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

低温固化型Low temperature cure type
良好的流平Good flow
良好机械性能Good mechanical performance

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. @ 160°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	20~30 pa.s	ASTM D4287
酸值Acid value	65~75 mg KOH/g	ASTM D1639
颜色Color	Max 5	ASTM D1544
Tg	appr. 56	DSC

基础配方Starting Formulation

成分Component	重量Weight
P 3505	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	80/80	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