

饱和聚酯树脂Saturated, carboxylated polyester resin

## 概述General Description

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

50:50

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

## 挤出 &amp; 应用条件Extrusion &amp; 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: 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. 60	DSC

## 基础配方Starting Formulation

成分Component	重量Weight
P 3506	50.0
LC-603H	50.0
钛白粉Titanium dioxide	50.0
流平剂C-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
涂层厚度, 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 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