

概述General Description

LF720是一款FEVE型氟碳树脂，有良好的耐候性跟耐化学品性能。
LF720 is FEVE type fluoropolymer. It has excellent weathering chemical resistance.

200° C标准固化 200° C standard cure
良好的流平以及消光效果Good flow and matt gloss effect
良好的机械性能Good mechanical performance
良好的耐黄变性能Good yellowing resistance
高Tg以及储存性稳定High Tg and storage stability

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.: 90-105°C
 温区II Zone II temp.: 90-105°C
 螺杆转速Screw speed: 400-500rpm
 板料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 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 @ 200° C, Pa.S | 30-40 | ASTM D4287 |
| 醇值Al.d value, mg KOH/g | 40-45 mg | 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 |
|-----------------------------|----------|
| LF720 | 83.0 |
| LC-1530 | 17.0 |
| 钛白粉Titanium dioxide | 50.0 |
| LC-200流平剂 LC-200 Flow agent | 1.5 |
| 安息香Benzoin | 0.5 |
| LC-244A | 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, um Film thickness, um | approx. 60 | ASTM D1186 |
| 光泽度 @ 60°, % Gloss @ 60°, % | 20-30 unit | ASTM D523 |
| 正/反冲击测试, inch lbs Direct/reverse impact, inch lb | 80/80 | ASTM D2794 |
| 18° 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 | ISO 15184-98 |
| 紫外线313/4小时-50°C紫外线/4小时, 40°C凝结 UVB313 4 hrs.to50°C UV/4hrs.40°C condensation | 2000hrs 50%保光性 2000hrs 50% gloss retention | ASTM G-154 |
| 耐盐雾腐蚀性Salt spray resistance | 4000hrs. 黄色铬酸铝面罩, 低于1毫米 4000hrs. Yellow chrome aluminum panel, blistering less than 1mm | ASTM -117 |