

Saturated, carboxylated polyester resin

General Description

PRIMID cure resin, 95/5 type, for industrial purposes cure with 180C X 10 min.

- Outdoor durable
- Fast cure.
- Flow
- Flexibility
- High Tg
- Gas oven yellowing resistance

Product Specifications

Property	Range	Test Method
Appearance	clear granule	Visual
Viscosity	30~40 pa.s	Longcai method
Acid value	30~35 mg KOH/g	Longcai method
Color	Max 10	Longcai method
Tg	appr. 64	Longcai method

Packaging

- White PE bag, N.W.25kg/bag, 1000kg/pallet.

Storage

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.

Starting Formulation

Component	Weight
P 8670	95.0
LC-552	5.0
Titanium dioxide ²⁾	50.0
LC-88 Flow agent ³⁾	1.5
Benzoin	0.5

Extrusion & Application Conditions

Extruder: Lingyu SLJ-20
Zone I temp.: 85~105 °C
Zone II temp.: 90~110 °C
Screw speed: 400~500rpm
Panel: 0.5mm pre-treated cold-rolled steel
Spray gun: Lingyu JP-80
Voltage: 60~90kV
Curing cycles: 10 min. @ 180 °C

Film Properties

Item	Result	Test Method
Film thickness, μm	approx. 60	ASTM D1186
Gloss @ 60°, %	90 unit	ASTM D523
Direct/reverse impact, inch lbs	120/120	ASTM D2794
1/8" Conical mandrel	pass	ASTM D522
Adhesion(cross cut)	5B	ASTM D3359
Pencil hardness (Mar)	H	ISO 15184-98

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