

## P3901( 93:7 ) SATURATED POLYESTER RESIN

### PRODUCT

#### Properties

P3901(93:7) is a saturated polyester resin, which is used together with TGIC (by 93:7) to produce pure polyester powder coatings, general type, medium curing rate, giving high gloss, excellent flow effect and wonderful mechanical properties.

#### Specifications

Appearance: Light yellow & clear flake

Color (DMF50%): 5-10

Acid value (mgKOH/g): 30-36

Glass Transition Temperature (°C): ≥67

Viscosity (200°C/mPa.s): 4800-5500

#### Technical condition for making coatings

Extruder: SLJ-30AF

Clamp set temperature(°C): 110-120

Helix pole temperature(°C): 60

Rotational speed(rpm): 60

Powder particle size(μm .max): 100

Curing condition: 190°C/10 min (metal temperature)

#### Package and Shelf Life

**a. Package:** net 25kgs in PE bag or multi-ply paper bag;

**b. Shelf Life:** in a ventilative, dry and clean place under 30°C, its shelf life is one year.

#### Recommended Formulation

| INGREDIENT                  | WEIGHT |
|-----------------------------|--------|
| Polyester resin P3901(93:7) | 600g   |
| TGIC                        | 45g    |
| TiO <sub>2</sub> (R902)     | 342g   |
| Flow agent(PV88/GLP588)     | 10g    |
| Benzoin                     | 3g     |

#### Coating film properties

Film thickness(μm): 70± 10      Gloss (60°C) %: ≥90  
 Bend (mm): ≤6      Impact intensity(kg·cm): 50  
 Pencil hardness: 1H

#### Spraying methods and conditions

Oilless and rustless cold-rolled steel plate (mm): 0.5

Electrostatic spraying (kv): 50

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