

## P3955 ( 96: 4 ) SATURATED POLYESTER RESIN

### PRODUCT

#### Properties

P3955 (96: 4) is a general type saturated polyester resin, which is used together with Primid XL-552/T105 (by 96:4) to produce pure polyester powder coatings, giving excellent flow effect.

#### Specifications

Appearance: Light yellow & clear flake

Color (DMF50%): 5-10

Acid value (mgKOH/g): 22-25

Glass Transition Temperature (°C): ≥63

Viscosity (200°C/mPa.s): 3500-5000

#### Technical condition for making coatings

Extruder: SLJ-30AF

Clamp set temperature(°C): 120-130

Helix pole temperature(°C): 70

Rotational speed(rpm): 60

Powder particle size(μm .max): 100

Curing condition: 180°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 P3955 (96: 4)	600g
Primid XL-552/T105	25g
TiO <sub>2</sub> (R902)	365g
Flow agent(PV88/GLP588)	8g
Benzoin	2g

#### 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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