



P3961(93:7) SATURATED POLYESTER RESIN

PRODUCT

Properties Recommendation P3961(93:7) is a saturated polyester resin, which is used together with TGIC (by 93:7) to produce pure polyester powder coatings, Economical type, giving good flow effect. Polyes Specifications Flow Appearance: Light yellow & clear flake Color (DMF50%): 5-10 Acid value (mgKOH/g): 30-36 Glass Transition Temperature (°C): ≥64 Viscosity (200°C/mPa.s): 5000-6000 Coating f Extruder: SLJ-30AF Film thickm Clamp set temperature(°C): 110, 120 Film thickm

Clamp set temperature(°C): 110-120 Helix pole temperature(°C): 60

Rotational speed(rpm): 60

Powder particle size(µm .max):100

Curing condition: 200°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 P3961(93:7)	600g
TGIC	45g
TiO2 (R902)	342g
Flow agent(PV88/GLP588)	10g
Benzoin	3g

Coating film properties

<u>Film thickness(µm): 70± 10</u> Bend (mm): ≤6

i): ≤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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Gloss (60°C) %: ≥90

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