

## P2602 ( 60:40 ) SATURATED POLYESTER RESIN

### PRODUCT

#### Properties

P2602 (60:40) is a saturated polyester resin, which is used together with epoxy resin (by 60:40) to produce hybrid polyester powder coatings, giving high gloss and super flow effect.

#### Specifications

Appearance: Light yellow & clear flake

Color (DMF50%): 5-10

Acid value (mgKOH/g): 48-53

Glass Transition Temperature (°C): ≥54

Viscosity (200°C/mPa.s): 2000-4000

#### 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/15 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 P2602 (60:40) | 360g   |
| Epoxy resin (E-12)            | 240g   |
| Padding                       | 377g   |
| Flow agent(PV88/GLP588)       | 10g    |
| Benzoin                       | 3g     |
| Leveling agent (701B)         | 10g    |

#### 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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