

P2607 (60:40) SATURATED POLYESTER RESIN

PRODUCT

Properties

P2607 (60:40) is a saturated polyester resin, which is used together with epoxy resin (by 60:40) to produce hybrid polyester powder coatings, economical type, giving high gloss.

Specifications

Appearance: Light yellow & clear flake

Color (DMF50%): 5-10

Acid value (mgKOH/g): 48-55

Glass Transition Temperature (°C): ≥55

Viscosity (200°C/mPa.s): 3000-4000

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: 185°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 P2607 (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

Huangshan Jiajie New Material Technology Co.,Ltd.

Add: 13 Huangping Road, Huizhou Circular Economy Park, Huizhou District, Huangshan City, Anhui, P.R.China P.C.: 245900

TEL: 0559-3512781 3516308 3517328
FAX: 0559-3516078 3516026 3517028

E-mail: hsjjajie@vip.163.com
Web: www.jiajieresin.com

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