



Technical Data Sheets (TDS) of Polyester Resin Resmok-TGIC

Properties

Resmok-TGIC is a carboxyl saturated polyester resin, which is used together with TGIC (at rate of 93:7) to produce pure polyester powder coating, giving high gloss, good flow effect, wonderful mechanical properties, pretty decorative effects, excellent yellowing resistance and marked exterior durability; it also has the function of salt and alkali resistance, humidity and heat resistance.

Specifications

Appearance	Light yellow & clear flake
Acid Value(mgKOH/g)	28-38
Softening Point(°C)	105-120(Ring & Ball Method)
Glass Transition Temperature(°C)	65±3
Viscosity(200°C/mPa.s)	4000-6000

Package and Shelf Life

- Package: net 25KG in kraft paper bag;
- Shelf Life: in a ventilative, dry and clean place under 30°C, its shelf life is one year.

Recommended Formulation

Ingredients	Weight	Ingredients	Weight
Resmok-TGIC	600g	TGIC	45g
TiO ₂ (R902)	350g	Flow Agent(PV88/GLP588)	10g
Benzoin	5g		

Technical Condition for making coating

Extruder	SLJ-30AF	Clamp set Temperature(°C)	100 -120
Helix pole Temperature(°C)	60	Rotational Speed(rpm)	60
Curing Condition	200°C/15min (metal temperature)		

Coating Film Properties

Film Thickness(μm)	80±10	Gloss(60°C) %	≥ 90
Bending(mm)	≤ 6	Impact Intensity	50kg·cm
Pencil Hardness	1H		