



Technical Data Sheets (TDS) of Polyester Resin RESMOK-60/40

Properties

Resmok is a carboxyl saturated polyester resin, which is used together with epoxy resin (at rate of 60:40) to produce hybrid powder coating, giving high gloss, good flow effect, wonderful mechanical properties, pretty decorative effects, excellent yellowing resistance and marked exterior durability.

Specifications

Appearance	Light yellow & clear flake
Acid Value(mgKOH/g)	48-55
Softening Point(°C)	96-115(Ring & Ball Method)
Glass Transition Temperature(°C)	55±3
Viscosity(200°C/mPa.s)	3000-4000

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-60/40	360g	Epoxy Resin(E-12)	240g
TiO ₂ (R902)	375g	Flow Agent(PV88/GLP588)	10g
Benzoin	5g	Leveling Agent(701B)	10g

Technical Condition for making coating

Extruder	SLJ-30AF	Clamp set Temperature(°C)	100-120°C
Helix pole Temperature(°C)	60	Rotational Speed(rpm)	60
Curing Condition	185°C/15min (metal temperature)		

Coating Film Properties

Film Thickness(μm)	70±10	Gloss(60°C) %	≥90
Bending(mm)	≤6	Impact Intensity	50kg·cm
Pencil Hardness	1H		