



## P3913(93:7) SATURATED POLYESTER RESIN

## PRODUCT

Properties	Recommended Formulation	
P3913(93:7) is a saturated polyester resin, which is used	INGREDIENT	WEIGHT
together with TGIC (by 93:7) to produce pure polyester powder coatings, low temperature curing, giving high gloss.	Polyester resin P3913(93:7)	600g
	TGIC	45g
	TiO2 (R902)	342g
	Flow agent(PV88/GLP588)	10g
Specifications	Benzoin	3g
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): 4500-6000		
Technical condition for making coatings	Coating film properties	
Extruder: SLJ-30AF	Film thickness(µm): 70± 10	<u>Gloss (60°C) %: ≥90</u>
Clamp set temperature(°C): 110-120	<u>Bend (mm): ≤6</u>	Impact intensity(kg·cm
Helix pole temperature(°C): 60 Rotational speed(rpm): 60	Pencil hardness: 1H	
Powder particle size(µm .max):100		
Curing condition: 160°C/12 min (metal temperature)		
Package and Shelf Life	Spraying methods and conditi	ons
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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.

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Flow agent(PV88/GLP588)	10g	_
Benzoin	3g	-
		-

Impact intensity(kg·cm): 50

Oilless and rustless cold-rolled steel plate (mm): 0.5

Electrostatic spraying (kv): 50

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