



## SJ4211

Saturated carboxylated polyester resin

Application	Outdoor type resin; 93/7 type,for TGIC.	
Principal properties	Good mechanical properties; Superior exterior durability.	
Specifications	Appearance:	Pale
	Color (50%DMF, Pt-Co)	≤150
	Acid value (mgKOH/g)	29-35
	Viscosity (ICI, mPa.s/200℃)	4500-6500
	Soften point .℃(Ring & ball)	110-120
	Glass transition temp(Tg) .℃	≥62
Package and shelf life	25 kgs polyethylene bag The resin should be stored indoors in the original,unopened and undamaged containers in a dry place at storage temperature below 30℃.Exposure to direct sunlight should be avoided.. Under the storage conditions the shelf life of the resin will be 12 months ex works.Based on experience the shelf life of the resin is minimal 2 years. It is recommended to check the acid value and the viscosity every year.	
Start formulation	SJ4211	558
Glossy,white powder coating.	TGIC	42
	BaSO <sub>4</sub>	184
	TiO <sub>2</sub>	200
	Flow agent(PV88)	10
	Benzion	3
	Sensitization	3
Extrusion conditions	Extruder	BUSS PLK46
	Kneading screw temperature.℃	50
	Case setting temperature.℃	115-125
	R.P.M.	70
Stoving cycles	200℃/10min	
Film properties	Thickness. μm	60-80
	Gloss. 60°, %	≥90
	Cross-hatch adhesion (2mm)	0
	Storage experiments 40℃	good
	Cupping test(Erichsen slow penetration)	≥7 mm
	Impact direct/reverse(Kgf.cm)	50/50
	Pencil hardness	1H