



## SJ1100

Saturated hydroxyl polyester resin

Application	Hydroxyl resin; 80/20 type,for isocyanate cure.	
Principal properties	Superior flow; Good hardness; Suitable for clear powder.	
Specifications	Appearance:	light yellow
	Color (50%DMF, Pt-Co)	≤100
	Hydroxyl value (mgKOH/g)	30-45
	Viscosity (ICI, mPa.s/200℃)	4000-7000
	Soften point .℃(Ring & ball)	105-115
	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	SJ1100	400
Glossy,white powder coating.	B1530	100
	TiO <sub>2</sub>	300
	Flow agent(PV88)	15
	Benzion	6
	Sensitization	6
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	50-70
	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