



# SJ1140

Saturated hydroxyl polyester resin

Application	Hydroxyl resin; Low hydroxyl value resin;	
Principal properties	High hardness; Extrusion blended with SJ1801 use; Good matting effect.	
Specifications	Appearance:	light yellow
	Color (50%DMF, Pt-Co)	≤100
	Hydroxyl value (mgKOH/g)	30-50
	Viscosity (ICI, mPa.s/200℃)	3500-5500
	Softening point .℃(Ring & ball)	110-120
	Glass transition temp(Tg) .℃	≥56
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	SJ1140	300
Glossy,white powder coating.	SJ1801	100
	B1530	200
	TiO <sub>2</sub>	200
	BaSO <sub>4</sub>	180
	Flow agent(PV88)	10
	Benzion	5
	Sensitization	5
Extrusion conditions	Extruder	BUSS PLK46
	Kneading screw temperature.℃	50
	Case setting temperature.℃	110-120
	R.P.M.	70
Stoving cycles	200℃/15min	
Film properties	Thickness. μm	40-60
	Gloss. 60°, %	15-25
	Cross-hatch adhesion (2mm)	1
	Storage experiments 40℃	good
	Cupping test(Erichsen slow penetration)	*
	Impact direct/reverse(Kgf.cm)	*
	Pencil hardness	1H