



# SJ7804

## Carboxyl-Terminated Saturated Polyester Resin

Application	Hybrid resin; 70/30 type, for epoxy resin.	
Principal properties	Good bending resistance; Good flexibility; Excellent mechanical properties.	
Specifications	Appearance:	light yellow
	Color (50%DMF, Pt-Co)	≤250
	Acid value (mgKOH/g)	30-35
	Viscosity (ICI, mPa.s/200℃)	2500-4500
	Softening point (°C(Ring & ball))	100-110
	Glass transition temp(Tg) (°C)	≥54
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.	
Start formulation	SJ7804	420
Glossy,white powder coating.	Epoxy	180
	TiO <sub>2</sub>	200
	BaSO <sub>4</sub>	184
	Flow agent(PV88)	10
	Benzion	3
	Sensitization	3
Extrusion conditions	Extruder	BUSS PLK46
	Kneading screw temperature. °C	50
	Case setting temperature. °C	115-125
	R.P.M.	70
Stoving cycles	180℃/15min	
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