



SJ4214

Carboxyl-terminated saturated polyester resin

Application	Outdoor type resin; 93/7 type, for TGIC.	
Principal properties	Good flow; Good flexibility; Excellent exterior durability; Good mechanical properties.	
Specifications	Appearance:	Pale
	Color (50%DMF, Pt-Co)	≤150
	Acid value (mgKOH/g)	30-36
	Viscosity (ICI, mPa.s/200℃)	2500-4500
	Softening point .℃(Ring & ball)	105-115
	Glass transition temp(Tg) .℃	≥60
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	SJ4214	558
Glossy,white powder coating.	TGIC	42
	TiO ₂	200
	BaSO ₄	184
	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