



SJ4815

Carboxyl-Terminated Saturated Polyester Resin

Application	Outdoor type resin; 90/10 type, for TGIC.	
Principal properties	High acid value resin; Low gloss with the combination of SJ4816; Equisite surface; Suitable for transprinting.	
Specifications	Appearance:	Pale
	Color (50%DMF, Pt-Co)	≤ 150
	Acid value (mgKOH/g)	48-55
	Viscosity (ICI, mPa.s/200℃)	3500-5500
	Softening point .℃(Ring & ball)	110-120
	Glass transition temp(Tg) .℃	≥66
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	SJ4815	540
Glossy,white powder coating.	TGIC	60
	TiO ₂	200
	BaSO ₄	184
	Flow agent(PV88)	10
	Benzion	3
	Sensitization	3
Extrusion conditions	Extruder	SLJ-40
	Zone I temperature.℃	95-105
	Zone II temperature.℃	105-115
	Speed	45Hz
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)	≥7mm
	Impact direct/reverse(Kgf.cm)	50/50
	Pencil hardness	1H