



SINOPEC

S-1000

Description

Polyvinyl Chloride (PVC) is a linear thermoplastic resin produced by polymerization of vinyl chloride monomer. Due to the difference of raw materials, there are two methods of synthesizing vinyl chloride monomer - calcium carbide process and petroleum process. Sinopec PVC adopts two suspension process, respectively from Japanese Shin-Etsu Chemical Company and American Oxy Vinyls Company. The product has good chemical corrosion resistance, excellent electrical insulation property and fine chemical stability. With high chlorine content, the material has good fire retardance and self-extinguishing properties. PVC is easy to process by extrusion, injection molding, calendaring, blow molding, compressing, cast moulding and thermal molding, etc..

Applications

S-1000 is one of the most widely used thermoplastic resins. It can be used to make products with high hardness and strength Sheets, such as Artificial Leathers, Pipes Materials, Profiles, Bellows, Cable Protective Pipes, Packaging Films etc

Properties	Unit	Index	Result
K Value	-	66-68	66
Appearance	-	White powder	White powder
Average Polymerization degree:	-	1030+/-50	1020
Impurity particle number	pcs	<= 16	12
Mass fraction of volatile matter (including water) %	%	<= 0.3	0.13
Apparent density g/ml	g/ml	0.50-0.58	0.54
Reduce on Sieve – 250um Sieve mesh (%)	%	<= 2.0	0.0
Reduce on Sieve – 63um Sieve mesh (%)	%	>= 95	98
Fish eye number/400cm ²	-	<= 12	6
100g resign plasticizer absorption (g)	g	>= 20	> 20
Whiteness 160C, 10min (%)	%	>= 78	> 78

Package

Packing in 25kg net craft paper bags.