

**Material Data Sheet****PVC Resin Powder**

Polyvinyl chloride is high molecular compound polymerized by vinyl chloride monomer (VCM) with structural element as [CH₂-CHCL] n degree of polymerization usually as 590-1500. According to residual content of vinyl chloride monomer in polyvinyl chloride resin, it can be divided into commercial grade, food hygiene grade and medical application grade. In appearance, polyvinyl chloride resin is a white color powder. We have **SG3-SG8** which are widely used in processing and production of PVC board, Rigid products, Soft products, paint and adhesive agents.

Application can be commonly found in

- Rigid & Soft PVC film/sheet
- Construction application on flooring, construction sheet, hose pipe, electric wires and cable, piping, corrugated sheet, window frames
- Food film, agricultural films, packaging material
- Furniture & decoration material, adhesive tapes, artificial leathers
- Building materials, e.g. tubing, panel and section bars.

The product meets GB/T 5761-2006 standard with its physical and chemical properties meeting requirement in table below:

TYPICAL PROPERTY VALUE

Property	Standard Test	Unit	Results		
			SG3	SG5	SG8
Viscosity number (mL/g)	In-house	mL/g	135-127	118-107	86-73
K-value			72-71	68-66	59-59
Degree of Polymerization			1370-1251	1135-981	740-650
Impurity particle		piece	30	30	30
Volatiles content		wt %	0.4	0.4	0.4
Apparent density		g/ml	0.42	0.45	0.45
Plasticizer absorbency	value of 100g resin		25	17	12
Whiteness	160°C for 10min	%	75	75	70
Residual chlore ethylene content		ug/g	10	10	10

Disclaimer

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