



DINGNUO POLYMER TECHNOLOGY GROUP CO., LTD

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PVC RESIN SG-7

PROPERTY:

Polyvinyl chloride (PVC) resin is a white thermoplastic powder produced by suspension polymerization, featuring good chemical resistance, corrosion resistance, and dielectric properties. With appropriate additives (e.g. plasticizer, stabilizer), it can be processed into various finished products with different physical and mechanical properties.

SG-7 has an average degree of polymerization of 800 (741-845). Compared with SG-5, it features lower viscosity and molecular weight, resulting in **improved melt fluidity and processability**.

This makes SG-7 **more suitable for rigid and semi-rigid PVC products** manufactured through injection molding, extrusion, and calendaring processes.

APPLICATION:

SG-7 is commonly applied in rigid PVC products, including pipes, fittings, rigid sheets, rigid flooring, window & door profiles, wall & ceiling panels, etc.

SPECIFICATION:

Item of Analysis	Unit	Value
Degree of Polymerization		741~845
K Value		60~62
Viscosity	ml/g	87~95
The Number of Impurities and Foreign Particles	pcs ≤	20
Volatile Matter	% ≤	0.4
Bulk Density	g/ml ≥	0.52
Residue on 250µm Sieve Screenings	% ≤	1.6
Residue on 63µm Sieve Screenings	% ≥	97
The Number of "Fish Eyes"	pcs/400cm ² ≤	30
Plasticizer Absorption of 100g PVC resin	g ≥	12
Whiteness (160°C, 10min)	% ≥	75
VCM Residual	µg/g ≤	5
Water Extract Conductivity	µs/(cm·g) ≤	-

PACKING:

In 25kg kraft paper & woven pp compound bags, total 17MT per 20' FCL or 28MT per 40' FCL

STORAGE/TRANSPORTATION:

Store in dry, well-ventilated warehouse, avoid direct sunlight and moisture exposure.