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PVC RESIN SG-5

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-5 is **the most widely used and cost-effective general-purpose grade**, with an average degree of polymerization of around 1000(981-1135). It offers a well-balanced combination of processability and mechanical strength, making it suitable for extrusion, injection, and calendaring applications. Its versatility and competitive pricing make it an ideal material choice for a broad range of rigid and flexible PVC products.

APPLICATION:

SG-5 is suitable for various rigid and flexible products. Typical applications include pipes, cable and wire insulation, profiles, fittings, films, sheets, synthetic leather, footwear materials, etc.

SPECIFICATION:

Item of Analysis	Unit	Value
Degree of Polymerization		981~1135
K Value		66~68
Viscosity	ml/g	107~118
The Number of Impurities and Foreign Particles	pcs ≤	16
Volatile Matter	% ≤	0.4
Bulk Density	g/ml ≥	0.48
Residue on 250µm Sieve Screenings	% ≤	1.6
Residue on 63µm Sieve Screenings	% ≥	97
The Number of "Fish Eyes"	pcs/400cm ² ≤	20
Plasticizer Absorption of 100g PVC resin	g ≥	19
Whiteness (160°C, 10min)	% ≥	78
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.