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High Polymerization PVC Resin DP-2500

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.

DP-2500 is an ultra-high polymer PVC resin with an average degree of polymerization of 2500 (2400-2600). Its higher molecular weight and stronger intermolecular entanglement provide exceptional resilience, low compression set, and stable hardness across a wide temperature range. It is suitable for **high-performance applications requiring outstanding mechanical strength, toughness, and long-term stability.**

APPLICATION:

DP-2500 is suitable for high-performance PVC flexible products in the automotive components, footwear, cable and wire, artificial leather, and medical material industries. It can also replace NBR and CR in sealing strips, shoe soles, heat-resistant tubes, and heat&cold-resistant cables.

SPECIFICATION:

Item of Analysis	Unit	Value
Degree of Polymerization		2400~2600
K Value		-
Viscosity	ml/g	182~204
The Number of Impurities and Foreign Particles	pcs ≤	16
Volatile Matter	% ≤	0.4
Bulk Density	g/ml ≥	0.40
Residue on 250µm Sieve Screenings	% ≤	3
Residue on 63µm Sieve Screenings	% ≥	98
The Number of "Fish Eyes"	pcs/400cm ² ≤	16
Plasticizer Absorption of 100g PVC resin	g ≥	28
Whiteness (160°C, 10min)	% ≥	85
VCM Residual	µg/g ≤	1
Water Extract Conductivity	µs/(cm·g) ≤	5

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.