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High Polymerization PVC Resin DP-1800

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-1800 is a high-polymer PVC resin with an average degree of polymerization of 1800 (1650-1850). Compared with general grades, it features superior toughness, excellent impact resistance, and outstanding performance under low temperature and long-term aging conditions, making it ideal for high-performance applications that demand **excellent elasticity, weather resistance, and robust physical properties.**

APPLICATION:

DP-1800 is suitable for both rigid and soft high-performance products, including medical compound & equipment (e.g. infusion bags, blood transfusion bags, face masks, gloves), artificial leather, high-voltage cable insulation, sealing strips, high-elasticity/resilience products (e.g. inflatable toys, sports shoe soles), and high-pressure resistant rubber-like products (e.g. hoses, pipes).

SPECIFICATION:

Item of Analysis	Unit	Value
Degree of Polymerization		1650~1850
K Value		-
Viscosity	ml/g	162~178
The Number of Impurities and Foreign Particles	pcs ≤	16
Volatile Matter	% ≤	0.4
Bulk Density	g/ml ≥	0.44
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 ≥	25
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.