



TECHNICAL DATA SHEET

PVC (POLYVINYL CHLORIDE) RESIN

Industrial-grade thermoplastic resin for extrusion, injection molding, calendaring and compounding applications.

PVC Resin is a versatile synthetic polymer supplied for industrial plastic processing applications requiring reliable mechanical performance, chemical resistance and consistent processing behavior.

PRODUCT NAME & CAS NUMBER

Product Name	PVC (Polyvinyl Chloride) Resin
Chemical Formula	(C ₂ H ₃ Cl) _n
CAS Number	9002-86-2

MAIN APPLICATIONS

- Rigid pipes, fittings and profiles for construction and infrastructure projects.
- Cable insulation and sheathing compounds for electrical applications.
- Sheets, films and calendered products for packaging and industrial use.
- Window profiles, doors and building materials requiring durable polymer performance.
- Injection-molded components, hoses, footwear compounds and flexible PVC products.

KEY PROPERTIES

Appearance	White free-flowing powder or granules
Odor	Odorless to slight characteristic odor
Purity	Industrial grade; typical PVC resin content not less than 99%
Density	Approx. 1.35 - 1.45 g/cm ³
Solubility	Insoluble in water; soluble/swells in selected organic solvents
pH	Not applicable for dry resin; aqueous extract is generally near neutral



STORAGE CONDITIONS

Store in a clean, dry and well-ventilated warehouse away from direct sunlight, moisture, heat sources and incompatible materials. Keep bags tightly closed when not in use and protect the product from contamination during handling, transport and storage.

Technical Disclaimer: The information provided in this document is a general technical summary based on typical industrial-grade PVC Resin characteristics. Final specifications may vary according to grade, supplier, production batch and customer requirements. Buyers should confirm detailed specifications before purchase or processing.