POLYVINYL CHLORIDE RESIN (PVC RESIN)

GKN GROUPS
Empowering Growth

CAS Number: 9002-86-2

Other Names: poly(1-chloroethylene)

Formula: $(C_2H_3Cl)_n$

PRODUCT INTRODUCTION

Polyvinyl chloride is a white, brittle solid generally delivered as powder or pellets. It is insoluble in alcohol but slightly soluble in tetrahydrofuran. PVC is manufactured from petroleum. About 40 million tonnes are produced per year.

PHYSICAL AND CHEMICAL PROPERTIES

Polymerization Degree (P)	1021
Volatile Matter (%)	0.24
Bulk Density (g/cc)	0.566
Through 42 Mesh (%)	> 99.99
Foreign Matter (pc100g)	20
VCM Residual (ppm)	< 0.10
200 Mesh + Pan (%)	7.6

APPLICATIONS

- Around 50% of PVC (or vinyl) manufactured is used in construction replacing other materials such as wood or glass. Cheap, resistant, good weather ability.
- PVC is strong, lightweight, durable and versatile. These characteristics make it ideal for window profiles. PVC's inherent flame retardant and excellent electrical insulation properties make it ideal for cabling applications.
- It is also used in the medical sector due to its safety and chemical stability and bio-compatibility, chemical resistant and low cost. In addition, it is usable inside the body and easy to be sterilized.
- Typical examples of PVC automotive components include: moldings, interior door panels and pockets, seat coverings, sun visors, seals, floor covering, wiring, exterior side molding and protective strips, anti-stone damage protection, etc.

PACKING OPTIONS

Bags

Drums