



POLY VINYL CHLORIDE

CHEMICAL NAME / FORMULA :
Polyvinyl Chloride /
(-H₂ CCHCl-)n

FORMATION :
Powder

PROPERTIES:

In Resin form, PVC is a white powder which is subject to thermal degradation. When combined judiciously with suitable plasticizers, stabilizers and lubricants, the material leads to easy processing for fabrication of various useful products.

Easy process ability, high compatibility with plasticizers & stabilizers, excellent heat stability, high bulk density, uniform particle size and low volatile contents are some of the special characteristics.

INSTALLED CAPACITY
90,000 TPA

INPUT
Vinyl Chloride Monomer

OUTPUT
Poly Vinyl Chloride Resin

SPECIFICATIONS:

Type of Resin	Suspension	Suspension	Suspension
Appearance	White Powder	White Powder	White Powder
K Value (1% Cyclohexanone)	57 - 60	64 - 67	68 - 71
Degree of Polymerisation (0.4% Nitrobenzene)	620 - 720	980 - 1080	1080 - 1200
Bulk Density (gm/ml)	0.52	0.47	0.43
Volatile Matter [wt%(105C-1hr)]	0.4%	0.3	0.4



PACKAGING AND HANDLING

Material is packed in 25 kg capacity HOPE woven bags inserted with LOPE liner.



TRANSPORTATION CLASSIFICATION

H.5. Code No. 3904.10, IMOG Page No.2186



MATERIAL SAFETY DATA

Given Overleaf



END USERS

Pipe industry, Automobiles & Sanitary fittings, Wires and Cables, Bottles, containers, transparent films and flexible hoses.



MATERIAL SAFETY DATA

NAME OF THE PRODUCT	Polyvinyl Chloride Resin
COMPOSITION / COMPONENTS	Long chain polymer comprising plenty of VCM molecules.
HAZARDS IDENTIFICATION	Non-Hazardous
FIRST AID MEASURES	EYE – Flush with water for at least 15 minutes. Do not rub eyes. If irritation develops, consult physician. SKIN – Wash affected area with soap water. If irritation persists, get medical attention. INGESTION – Practically inert. If ingested, dilute swallowed material by drinking water and induce vomiting.
MEASURES FOR FIRE FIGHTING	Not Flammable.
MEASURES IN CASE OF UNINTENTIONAL RELEASE	Remove sources of ignition, use adequate ventilation and wear a dust respirator. Sweep or vacuum up or shoveld.
HANDLING AND STORAGE	Use with adequate ventilation. Avoid contact with eyes and skin. As with handling of all powdered materials, accumulation of product should be removed from setting areas to prevent any secondary potential dust explosion or fire hazards. Under normal thermoplastic processing always use product under well-ventilated conditions to minimize breathing of vapour generated. Store in cool, dry, well-ventilated area or silo, away from sources of heat, flame and sparks.
EXPOSURE LIMIT AND STAFF PROTECTION EQUIPMENT	Use goggles or face shield for protection against dust. Minimize contact with skin and wear gloves or long sleeved clothing. Do not eat, drink or smoke in work area.
PHYSICAL & CHEMICAL PROPERTIES	Pearl white powder without odour. Normally inert for all practical applications Insoluble in water and soluble in Nitrobenzene, Cyclohezanone.
STABILITY AND REACTIVITY	Stable. Avoid elevated temperature. If burnt, will generate Carbon Dioxide, Carbon Monoxide and Hydrogen Chloride.
INFORMATION OF TOXICOLOGY	Non-Toxic, Inhalation may irritate and cause discomfort in nose and throat.
INFORMATION ABOUT WASTE DISPOSAL	May be disposed off safely by ordinary landfill or by incineration under State and local control regulations.
INFORMATION ABOUT TRANSPORT	No specific requirements. Transportable in trucks in HDPE bags.
STATUTORY REGULATORY INFORMATION	Shipping Name : PVC Resin.
OTHER INFORMATION	H.S.Code:3904.10 IMDG Code Page No. 2186 CAS No.9002-86-2.