

TECHNICAL DATA SHEET

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.

90,000 TPA	Characteristic	Grade 2	Grade 4	Grade 5
	Appearance	White Powder	White Powder	White Powder
Vinyl Chloride Monomer	K - Value	57 - 60	64 - 67	68 - 71
	Plasticizer absorption %	13	16	26
	Dry Flow, sec	25	25	25
Poly Vinyl Chloride Resin	Bulk Density (g/ml)	0.48 – 0.62	0.49 – 0.60	0.47 – 0.56
	Volatile Matter [wt%]	0.3	0.3	0.3
	RVCM (PPM)	< 2	< 2	< 2

- **Regulatory Information** Meets the requirements stipulated in IS 10151, on PVC and its Copolymers for its safe use in contact with foodstuff, pharmaceuticals and drinking water. Resin does not contain any auxiliary items like plasticizer stabilizer Lubricants etc. It also conforms to the positive lists of constituents as prescribed in IS 10148.
- **Storage Recommendations** • Bags should be stored in dry conditions at temperatures below 40°C and protected from UV / direct sunlight.

PACKAGING AND HANDLING

Material is packed in 25 kg capacity HDPE woven bags inserted with LDPE liner.

TRANSPORTATION CLASSIFICATION

Not classified as hazardous for transportation.

SAFETY DATA SHEET

Given Overleaf

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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 shovled.
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, Cyclohexanone.
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.

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