PRIMEX PVC 500

Polyvinyl chloride for thermoplastic processing

PRIMEX PVC 500 is a homopolymer PVC resin manufactured by the suspension polymerization process. It has a high molecular weight and is recommended for flexible applications. Its main advantages are higher plasticizer absorption, low fish eyes content and shorter powder mix time.
ASTM D 1755 classification, USP plastic Class VI for medical and food applications.

Application	rigid	flexible
Films & Sheets		●
Flooring		❍
Others		●
Profiles & Pipes		●
Sealants		❍
Textile Coatings		●
Wire & Cables		●

● recommended ❍ feasible ■ additive

Property	Method	Unit	Value *1
K value	DIN EN ISO 1628-2	-	70
Inherent Viscosity (IV)	ASTM D 1243-95	dL/g	0.90
Apparent Density	ASTM D 1895-96 (A)	g/L	≥ 450
Particle Size - passes through sieve #40	ASTM D 1921-96	%	100
Particle Size - passes through sieve #200	ASTM D 1921-96	%	≤ 6
Plasticizer Absorption	ASTM D 3367-13	cm³/g	≥ 0.30
Volatile Matter	ASTM D 3030-11	%	≤ 0.5
Residual Vinyl Chloride Monomer	ASTM D 3749-13	mg/kg	≤ 1

*1: The figures quoted above are typical values, and do not form part of the specification.

We supplied this product under the former product name PVC 500.

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Processing

PRIMEX PVC 500 is a high molecular weight resin offering excellent mixing process and good thermal stability.

Recommended for flexible applications that require low volume resistance, low fish eyes content, food and medical approval.

Applications are

- Films & Sheets (Commercial Graphic Films, Flexible Films, Geomembranes)
- Flooring (Luxury Vinyl Tiles (LVT), Other floorings)
- Profiles & Pipes (Tubes / Hoses)
- Sealants
- Textile Coatings (Tarpaulin & Tents)
- Wire & Cables
- Others (Medical Devices, Shoe Soles, Traffic Cones)

Processing methods include

- Blow Molding
- Extrusion
- Calendering
- Injection Molding

Packaging, Delivery

in multilayer paper bags (25 kg), supersacks (625 kg, 740 kg, 1,000 kg, 1,250 kg), hopper-car

Storage

The recommended storage conditions for the material are:

- Dry environment
- Not in the vicinity of direct or indirect heat sources

Shelf-life

According to the available experience, PVC can be stored almost without restrictions and can be used for months to several years if stored properly. We recommend consumption within one year after delivery.

Safety

Please refer to the current safety data sheet for the safety precautions necessary for handling.

General Notes

For further information and advice, please contact our technical service at Technical-Service.LATAM@vestolit.com or our representatives.

This information is based on our present knowledge and experience. However, it does not imply liability or other legal responsibility on our part, including, in particular, existing third-party patent rights. No guarantee of properties in the legal sense is implied. We reserve the right to make any change according to technical progress of further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Reference to trade names and other companies is not a recommendation and does not exclude the use of similar products.