PRIMEX PVC 450

Polyvinyl chloride for thermoplastic processing

PRIMEX PVC 450 is a homopolymer PVC resin manufactured by the suspension polymerization process. It has a medium molecular weight and is recommended for flexible applications. Its main advantages are low fish eyes content and good plasticizer adsorption.
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	-	67
Inherent Viscosity (IV)	ASTM D 1243-95	dL/g	0.90
Apparent Density	ASTM D 1895-96 (A)	g/L	≥ 470
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	≥ 0.28
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 450.

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Processing

PRIMEX PVC 450 is a medium molecular weight resin offering good mixing process and good thermal stability.

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

Applications are

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

Processing methods include

- Blow Molding
- Extrusion
- Calendering
- Injection Molding

Packaging, Delivery

in multilayer paper bags (25 kg), supersacks (625kg , 650 kg, 740 kg, 860 kg, 1,000 kg)

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.

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