PRIMEX PVC 440

Polyvinyl chloride for thermoplastic processing

PRIMEX PVC 440 is a homopolymer PVC resin manufactured by the suspension polymerization process. It has a medium molecular weight and is characterized by good color, high flow during extrusion process and good thermal stability.
ASTM D 1755 classification.

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	-	66
Inherent Viscosity (IV)	ASTM D 1243-95	dL/g	0.90
Apparent Density	ASTM D 1895-96 (A)	g/L	≥ 550
Particle Size - passes through sieve #40	ASTM D 1921-96	%	100
Particle Size - passes through sieve #200	ASTM D 1921-96	%	≤ 4
Plasticizer Absorption	ASTM D 3367-13	cm³/g	≥ 0.18
Volatile Matter	ASTM D 3030-11	%	≤ 0.5
Residual Vinyl Chloride Monomer	ASTM D 3749-13	mg/kg	≤ 3

*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 440.

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Processing

PRIMEX PVC 440 is a medium molecular weight resin offering high flow during extrusion process and good thermal stability.

Recommended for rigid applications that require good mechanical properties and good color.

Applications are

- Films & Sheets (Rigid Films and Sheets)
- Flooring
- Profiles & Pipes (Decking / Fences, Pipes, Sidings, Technical Profiles, Window Profiles)
- Sealants
- Others

Processing methods include

- Blow Molding
- Extrusion
- Injection Molding

Packaging, Delivery

in multilayer paper bags (25 kg), plastic bags (25 kg), supersacks (650 kg, 860 kg, 1,250 kg, 1,350 kg), hopper-car and sea bulk container

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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