PRIMEX P 180

Polyvinyl chloride for thermoplastic processing

PRIMEX P 180 is a homopolymer PVC resin manufactured by the suspension polymerization process. It has a low molecular weight and is characterized by good color, good flow during injection 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	-	57
Inherent Viscosity (IV)	ASTM D 1243-95	dL/g	0.68
Apparent Density	ASTM D 1895-96	g/cm³	≥ 0.54
Particle Size - retained on sieve #40	ASTM D 1921-96	%	≤ 0.04
Particle Size - retained on sieve #60	ASTM D 1921-96	%	≤ 5
PAN	ASTM D 1921-96	%	≤ 7
Fish-eyes	ASTM D 3596-92	-	≤ 35
Volatile Matter	ASTM D 3030-11	%	≤ 0.3
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.

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Processing

PRIMEX P 180 is a low molecular weight resin offering good flow during injection process and good thermal stability.

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

Applications are

- Films & Sheets (Rigid Films and Sheets)
- Flooring (Other floorings)
- Profiles & Pipes (Fittings)
- Sealants
- Others (Bottles, Medical Devices)

Processing methods include

- Blow Molding
- Extrusion
- Calendering
- Injection Molding

Packaging, Delivery

in bags (25 kg), supersacks (700 kg, 1,400 kg), bulk, hopper-car or railway-hopper.

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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