

**Sasol Polymers PVC suspension resin: S7106**

Sasol Polymers PVC S7106 is a free flowing white powder produced by a suspension polymerisation process that ensures high purity and consistent quality. It is a high molecular mass, highly porous homopolymer for plasticised applications requiring excellent optical and good mechanical properties. The plasticiser absorption rate and capacity ensures rapid uptake of plasticisers and the ability to incorporate a large amount of plasticiser. After mixing with appropriate additives, Sasol Polymers PVC S7106 can be used for a variety of specialised flexible applications. It is used extensively for medical applications and in cling film for food packaging, where it has acquired "market leader" status. Other applications include cable sheathing and insulation, stretch and shrink-wrap film, protective clothing, luggage, stationery, continuous flooring and hose.

**Material properties - S7106**

Property	Unit	Value	Test method
K-value	-	70-72	ISO 1628-2
Apparent density	g/l	460-520	ISO 60
Volatile matter	%	<0.3	ISO 1269
Particle size >250µm	%	<1.0	ISO 4610
Cold plasticiser absorption	%	28-32	ISO 4608

The data in the table above has been obtained from laboratory tests conducted on representative samples of Sasol Polymers PVC S7106 polymer. These values are for general guidance and more detailed information regarding specifications, formulations and the use of this product may be obtained from Sasol Polymers Chlor Vinyls Business Sales Office or Sasol Polymers Technology Services Centre. The contact details are listed above.

**Applications - S7106**

Conversion process	End product application	Intercode	
Extrusion -film	Food and industrial packaging	S7106 Film ●	S7106 Flexible x
Extrusion - medical	Intravenous bags, masks and tubes	●	x
Extrusion - flexible	Cable, hose, clear curtaining	x	●
Moulding - flexible	Footwear, electrical fittings	x	●
Calendering - flexible	Tarpaulins, stationery, luggage	○	x

Recommended intercode ● Suitable intercode ○ Not recommended x



# Product data sheet - S7106

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## Food applications

All Sasol Polymers suspension PVC grades contain less than 1 mg Vinyl Chloride Monomer per kilogram (1 ppm). This ensures compliance with food packaging regulations which stipulate that food packaging may not contain Vinyl Chloride Monomer in excess of 1 mg per kilogram.

## First aid treatment - recommended action

### Inhalation of noxious fumes

The patient should be removed as rapidly as possible into fresh air, kept warm and at rest. Artificial respiration should be applied if necessary. Expert medical attention should be obtained immediately.

### Eye injuries

PVC should be flushed from the eye with clean water. Medical attention should be sought immediately.

### Ingestion of PVC resin

Medical attention should be sought immediately. Vomiting should not be induced.

### General

It is important when summoning medical attention that the doctor or hospital is fully advised of the nature of the products being handled and the circumstances surrounding the accident.

