

Sasol Polymers PVC suspension resin: S5718

Sasol Polymers PVC S5718 is a free flowing white powder produced by a suspension polymerisation process that ensures high purity and consistent quality. It is a low molecular mass polymer with consistent particle size and structure, designed specifically for clear applications where excellent optical properties are required. After mixing with appropriate additives, Sasol Polymers PVC S5718 is most suitable for conversion processes where melt flow is important. It is used for bottles, flooring, pipe and electrical fittings, and rigid sheet for packaging.

Material properties - S5718

Property	Unit	Value	Test method
K-value	-	56-58	ISO 1628-2
Apparent density	g/l	550-600	ISO 60
Volatile matter	%	<0.3	ISO 1269
Particle size >250µm	%	<5.0	ISO 4610
Cold plasticiser absorption	%	14-20	ISO 4608

The data in the table above has been obtained from laboratory tests conducted on representative samples of Sasol Polymers PVC S5718 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 - S5718

Conversion process	End product application	Intercode	
		S5718 Bottle	S5718 Rigid
Extrusion - foil	Thermoformed trays and blister packaging	●	x
Extrusion - profile	Complex profiles	○	●
Extrusion - pipe	Foam core	○	●
Calendering - foil	Blister packaging, self adhesive products and laminates	●	x
Calendering - sheet	Floor tiles		●
Blow moulding	Bottles and containers	●	x
Moulding - rigid	Fittings - pipe and electrical	○	●

Recommended intercode ● Suitable intercode ○ Not recommended x



Product data sheet - S5718

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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.

