

# Product Information

## PVC Resin S-1

### Product Description:

PVC Resin S-1 is a white and free-flowing resin. The resin can be mixed with a variety of additives to achieve a wide range of desired characteristics that are required for many different applications. PVC is a versatile material with good colouration, corrosion resistance, water resistance, chemical stability and thermal stability.

### Applications:

PVC Resin S-1 is used in plastic production. Grade S-100 is used to produce soft films, packing films, sheets, manmade leather, piping, shaped bars, conduits and other soft sundry goods. Grade S-130 is mainly used to produce high-strength flexible products, pressed materials, rigid and flexible extrusion molding materials and insulating materials.

### Chemical Formula:

$(C_2H_3Cl)_n$

### CAS No. :

9002-86-2

### Specifications:

Parameters (units)	Specifications	
	S-100	S-130
GRADE	S-100	S-130
Average degree of polymerization	970 - 1070	1250 - 1350
Apparent density (g/mL)	0.48 - 0.58	0.42 - 0.52
Volatile content, including water (%)	≤ 0.30	≤ 0.30
Plasticizer absorption of 100 g (g)	≥ 20	≥ 27
VCM residue (mg/kg)	≤ 5	≤ 5
Particle size, residue retained on 0.25 mm mesh (%)	≤ 2.0	≤ 2.0
Particle size, residue retained on 0.063 mm mesh (%)	≥ 95	≥ 95
Fisheye number, per 400 cm <sup>2</sup>	≤ 20	≤ 20
Number of impurity particles	≤ 16	≤ 16
Whiteness, after heating at 160 °C for 10 mins (%)	≥ 78	≥ 78

\*% denoted represents wt/wt %, unless noted otherwise

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## Packaging:

Material is available in 25 kg bags. Further packaging options may be available upon inquiry.

## Storage:

Product should be stored in a dry place away from direct sunlight in sealed, original packaging.

## Safety:

For further safety information refer to product SDS available from your Bisley International contact.

Disclaimer: This document is for information purpose only. Customers are responsible for testing and conforming the suitability of this product in their application. To the extent permitted by law, no warranty as to merchantability or fitness of purpose, expressed or implied, is made.

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