

PVC 70S

Suspension Polyvinyl Chloride for Flexible Products

Product Description

PVC 70S is a free flowing vinyl chloride homo-polymer resin having high molecular weight. It is manufactured by suspension polymerization.

Characteristics

PVC 70S has following properties that make it suitable for plasticized PVC processing:

- Excellent plasticizer absorption
- High purity
- Low content of fines
- Easy handling and conveying
- Good electrical properties

Typical Applications

Extrusion:

- Cable sheathing and wire insulation
- Flexible films and sheets
- Flexible profiles
- Hoses

Injection molding:

- Flexible articles like shoe soles

Calendering:

- Flexible sheets and films

Typical Data

Property	Unit	Value ⁽¹⁾	Test Method
K-Value	-	70	DIN 53726
Apparent Bulk Density	kg/m ³	530	ASTM D-1895
Particle Size retained on mesh 60 (250 µm) passing through mesh 200 (74µm)	% max % max	3 6	SABIC (PVC 003)
Volatile content	% max	0.3	ASTM D-3030
Porosity (DOP)	cc/gm	0.32	SABIC (PVC 006)

(1) Typical Values; not to be construed as specification limits.

Packaging and Storage

PVC 70S is delivered in 25 kg bags. PVC resin should be stored in a manner to prevent a direct exposure to sunlight. The storage area should also be dry and preferably don't exceed 50°C. SABIC would not give warranty to bad storage conditions which may lead to quality deterioration such as color change and inadequate product performance. It is advisable to process PVC resin within 6 months after delivery.

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