



# SABIC<sup>®</sup> SPVC 71S

## SUSPENSION POLYVINYL CHLORIDE FOR MEDICAL PRODUCTS

### DESCRIPTION

SPVC 71S is a free flowing vinyl chloride homopolymer resin having high molecular weight. It is manufactured by suspension polymerization. SPVC 71S has following properties that make it suitable for plasticized PVC processing:

High porosity (Excellent plasticizer absorption)

, Low content of fines (Easy handling and conveying)

, Good di-electrical properties (Good electrical insulation properties)

, Good transparency and low gels content (Good for transparent applications)

### TYPICAL APPLICATIONS

Extrusion: Medical Applications , Clear Flexible profiles , Clear Flexible sheets and films , Clear Flexible articles

Calendaring: Clear Flexible sheets and films

### TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>POLYMER PROPERTIES</b>			
<b>K-value <sup>(1)</sup></b>	71	-	ISO 1628-2
<b>Apparent Bulk Density</b>	480	kg/m <sup>3</sup>	ASTM D1895
<b>Particle Size distribution</b>			
Retained on mesh 60 (250 µm) <sup>(1)</sup>	3	% max	ASTM B822
Passing through mesh 200 (74 µm)	6	% max	ASTM B822
<b>Volatile content</b>	0.3	% max	ASTM D3030
<b>Porosity (DOP)</b>	0.4	cc/g	ASTM D3367

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

### CHARACTERISTICS

SPVC 71S is designed to give an easy processing product for flexible applications since it has the ability to fast absorb substantial quantities of plasticizers. It is a high molecular weight resin and therefore, presents good end products 'mechanical properties.

### MEDICAL & FOOD REGULATION

SPVC 71S is suitable for Medical and Food contact application. Detailed information is provided in the Medical and Food Contact Declaration for SPVC 71S, a copy of which is available upon request from your local SABIC representative.

### STORAGE AND HANDLING

PVC is delivered in 25 kg bags. PVC resin should be stored in dry area and prevented from direct exposure to sunlight and storage temperature does not 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.