

# SABIC<sup>®</sup> SPVC 70ST

SUSPENSION POLYVINYL CHLORIDE FOR TRANSPARENT APPLICATIONS

## DESCRIPTION

70ST is a free flowing vinyl chloride homopolymer resin having high molecular weight and narrow particle size distribution. It is manufactured by suspension polymerization. 70ST has High porosity, low gel content and good transparency properties that provides easy processing for plasticized PVC films & sheets.

## TYPICAL APPLICATIONS

70ST is designed for transparent PVC film and sheet application. This grade is also suitable for thin wall wire insulation and transparent hoses.

## TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>POLYMER PROPERTIES</b>			
<b>K-value</b>	70	-	ISO 1628-2
<b>Apparent Bulk Density</b>	460	kg/m <sup>3</sup>	ASTM D1895
<b>Particle Size distribution</b>			
Retained on mesh 60 (250 μ) <sup>(1)</sup>	3	% max	SABIC method
Passing through mesh 200 (74 μ)	6	% max	SABIC method
<b>Gel Content</b>	5	Counts/100cm <sup>2</sup>	SABIC method
<b>Porosity (DOP)<sup>(1)</sup></b>	0.36	cc/g	ASTM D3367

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

## 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.