

PVC

PVC S-70R

SUSPENSION PVC (S-PVC)

A suspension-process polyvinyl chloride resin characterized by high bulk density, high porosity, good plasticizer absorption, and good electrical properties, supporting extrusion, injection molding, and calendering of flexible products, particularly wire and cable applications.

Typical Application

- Extrusion of flexible film and hose
- Injection molding of flexible products
- Calendering of flexible sheet
- Wire and cable insulation

Product Characteristics

- High bulk density and high porosity
- Good electrical/insulating properties
- Suited to extrusion, injection molding, and calendering of flexible products

Physical Properties

Properties	Test Method	Typical Value	Unit
K Value	DIN 53726	69.7 - 71.5	
Degree of Polymerization	JIS K6721	1250 ± 50	
Particle Size (Retained on 42 Mesh Sieve)		0.01 max	%
Bulk (Apparent) Density	JIS K6721	0.48 ± 0.02	g/cm ³
Plasticizer Absorption		28 ± 2	%
Volatile Matter	JIS K6721	0.3 max	%
Residual VCM	ASTM D3749	1.0 max	ppm
Foreign Matter		30 max	PC/100g
Fish Eye		30 max	PC/100cm ²

1. The producer's most recent published data sheet lists bulk density as 0.48 ± 0.02 g/cm³, versus 0.47 ± 0.02 g/cm³ reported in distributor offer-sheet data for the same grade; this reflects normal inter-revision and lot-to-lot rounding rather than a different product.

2. The nominal properties reported herein are typical of the product and do not reflect normal testing variance; they should not be used for specification purposes.