

PVC

PVC S-70

SUSPENSION PVC (S-PVC)

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

Typical Application

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

Product Characteristics

- High porosity for rapid plasticizer uptake
- 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	0.47 ± 0.02	g/cm ³
Cold Plasticizer Absorption	ASTM D-3367	28 ± 1.0	%
Volatile Matter	JIS K6721	0.3 max	%
Residual VCM	ASTM D-3749	1.0 max	ppm
Foreign Matter		30 max	PC/100g
Fish Eye		30 max	PC/100cm 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.