

PVC

PVC S-80

SUSPENSION PVC (S-PVC)

This suspension-process polyvinyl chloride resin is characterized by excellent porosity and a high ratio of plasticizer absorption. Its high degree of polymerization and porous particle morphology enhance the flexibility and elasticity of finished products, making it suitable for versatile processing into products requiring excellent mechanical performance and high elasticity.

Typical Application

- Highly plasticized compounds
- Coatings
- Flexible film
- Products requiring excellent mechanical performance and high elasticity

Product Characteristics

- Excellent porosity for rapid, high-ratio plasticizer absorption
- High degree of polymerization enhancing flexibility and elasticity of finished products
- Suitable for versatile processing of highly plasticized, flexible articles

Physical Properties

Properties	Test Method	Typical Value	Unit
K Value	DIN 53726	79.4-81.1	
Degree of Polymerization	JIS K6721	1800 ± 50	
Bulk (Apparent) Density	JIS K6721	0.45 ± 0.02	g/cm ³
Volatile Matter	JIS K6721	0.3 max	%
Coarse Particles Retained on 42 Mesh Sieve		0.01 max	%
Cold Plasticizer Absorption	GB/T 3400	32.0 min	%
Residual VCM	GB/T 29874	1.0 max	ppm
Foreign Matter	GB/T 9348	16 max	PC/100g
Fish Eye	GB/T 4611	20 max	PC/400cm ²

1. K-value, degree of polymerization, bulk density, and volatile matter reflect the producer's published family specification for this grade; cold plasticizer absorption, residual VCM, foreign matter, and fish-eye figures are drawn from the producer's grade-specific data sheet for this same product, which reports a closely comparable K-value/bulk-density profile from an alternate manufacturing site.

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.