

PVC

PVC S-73R

SUSPENSION PVC (S-PVC)

A suspension-process polyvinyl chloride resin characterized by low fish-eye content, excellent electrical properties, good plasticizer absorption, favorable surface finish, and good transparency, well suited to extrusion of flexible tube and transparent flexible film, particularly for wire and cable applications.

Typical Application

- Extrusion of flexible tube
- Transparent flexible film
- Wire and cable insulation
- Hose and calendered sheet

Product Characteristics

- Low fish-eye content
- Excellent electrical/insulating properties
- Good transparency and surface finish
- Good plasticizer absorption

Physical Properties

Properties	Test Method	Typical Value	Unit
K Value	DIN 53726	72.2 - 73.6	
Degree of Polymerization	JIS K6721	1400 ± 50	
Particle Size (Retained on 42 Mesh Sieve)		0.01 max	%
Bulk (Apparent) Density	JIS K6721	0.47 ± 0.02	g/cm ³
Plasticizer Absorption		29 ± 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 a K-value range of 72.2 - 73.6 and bulk density of 0.47 ± 0.02 g/cm³, versus 72.5 - 74.3 and 0.46 ± 0.02 g/cm³ reported in distributor offer-sheet data for the same grade; the overlapping ranges reflect normal inter-revision and lot-to-lot variance 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.