



# SHINTECH

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## Polyvinyl Chloride Resin Product Specifications

Effective Date: 03/03/03  
Supersedes: 02/15/01

### SE-950EG

#### General Description

Type : Polyvinyl Chloride Homopolymer  
Polymerization Process : Suspension  
Appearance : White, free flow powder

#### Features and Uses

Extrusion : Foam Profile, Pipe, Siding, Profile  
Calendering Rigid sheet

#### Specification

Resin Properties	Unit	Specification Range	Test Method	Typical Value Reference Only
Inherent Viscosity		0.890 – 0.920	ASTM D 1243	0.905
K Value ❶		65.7 – 67.1	DIN 53726	66.4
Bulk Density	lbs./ft. <sup>3</sup>	33.5 – 37.5	ASTM D 1895	35.5
	g /cc	0.537 – 0.601		0.569
Particle Size	%		ASTM D 1921	
40 mesh on pan		0.5 maximum		0.0
		5.0 maximum		0.6
Average Particle Size	micron		ASTM D 1921	162
Volatile	%	0.3 maximum	ASTM D 3030	0.2
Residual VCM	ppm	1.0 maximum	EPA 107	0.3
Foreign Matter		15 maximum	QAWT 1008	3
(250g PVC/Liter of water)				
Resin Color( Hunter)			QAWT 1015	
L value		97.0 minimum		98.4
a value		0.3 maximum		-0.2
b value		1.5 maximum		1.1

❶ K Value (reference) from a viscosity conversion table.

Shintech warrants only that the product will comply with the foregoing specifications. All other warranties, expressed and implied, including the implied warranties of merchantability and fitness for a particular purpose, are expressly disclaimed. While "Typical Value" represents Shintech's experience with respect to the resin's properties, no warranty is given that the product will achieve Typical Values; Shintech only warrants that the product will be within the applicable specification range.