



# SHINTECH

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## Polyvinyl Chloride Resin Product Specifications

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

### SE-950

#### General Description

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

#### Features and Uses

Extrusion : Pipe, Siding, Profiles

#### 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>	33.0 – 37.0	ASTM D 1895	35.2
	g/cc	0.528 – 0.593		0.563
Particle Size	%		ASTM D 1921	
40 mesh on		0.5 maximum		0.0
pan		5.0 maximum		1.0
Average Particle Size	micron		ASTM D 1921	155
Volatile	%	0.3 maximum	ASTM D 3030	0.2
Residual VCM	ppm	1.0 maximum	EPA 107	0.2
Foreign Matter		10 maximum	QAWT 1008	3
(10g PVC/Liter of water)				
Resin Color( Hunter)			QAWT 1015	
L value				98.0
a value				-0.2
b value				1.4

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.