

SHINTECH INC.  
Q.A. LABORATORY  
SE-1000 PRODUCT SPECIFICATIONS  
DOCUMENT NUMBER: QAQPS1015



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CONTROLLED  
DOCUMENT

**Polyvinyl Chloride Resin** Effective Date: 03/03/03  
**Product Specifications** Supersedes: 02/15/01

### SE-1000

#### General Description

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

#### Features and Uses

Extrusion : Profile, Flex Sheet  
Calendering Film, Sheet

#### Specification

Resin Properties	Unit	Specification Range	Test Method
Inherent Viscosity		0.920 – 0.950	ASTM D 1243
K Value ❶		67.1 – 68.4	DIN 53726
Bulk Density	lbs./ft. <sup>3</sup>	32.0 – 36.0	ASTM D 1895
	g/cc	0.512 – 0.577	
Particle Size	%		ASTM D 1921
40 mesh on pan		0.5 maximum	
		5.0 maximum	
Volatile	%	0.3 maximum	ASTM D 3030
Residual VCM	ppm	1.0 maximum	EPA 107
Foreign Matter		15 maximum	QAWT 1008
(250g PVC/Liter of water)			
Resin Color( Hunter)			QAWT 1015
L value		97.5 minimum	
a value		0.3 maximum	
b value		1.2 maximum	
Fisheyes		15 maximum	QAWT 1012

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.