



**CONTROLLED  
DOCUMENT**

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**Polyvinyl Chloride Resin  
Product Specifications**

Effective Date: 06/02/14  
 Supersedes: 03/03/03

**SE-1200**

General Description

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

Features and Uses

Extrusion : Tubing, Flex Sheet, Wire & Cable, Profile, Hose  
 Calendering Film, Sheet

Specification

Resin Properties	Unit	Specification Range	Test Method
Inherent Viscosity		0.995 – 1.025	ASTM D 1243
K Value ❶		70.5 – 71.8	ISO 1628-2
Bulk Density	lbs./ft. <sup>3</sup>	31.0 – 34.0	ASTM D 1895
	g /cc	0.496 – 0.545	
Particle Size	%		ASTM D 1921
40 mesh on		0.5 maximum	
pan		5.0 maximum	
Average Particle Size	micron		ASTM D 1921
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		0.5 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.