

Polyvinyl Chloride Resin

PRODUCT SPECIFICATIONS

SE-1300

General Description

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

Features and Uses

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

Specification

Resin Properties

Resin Properties	Unit	Specification Range	Test Method
Inherent Viscosity		1.020 – 1.050	ASTM D 1243
K Value		71.5 – 72.9	ISO 1628-2
Bulk Density	lbs./ft. ³	30.5 – 33.5	ASTM D 1895
	g/cc	0.488 – 0.537	
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 (250g PVC/Liter of water)		15 maximum	QAWT 1008
Resin Color (Hunter)			QAWT 1015
L value		97.2 minimum	
a value		0.5 maximum	
b value		1.5 maximum	
Fish Eyes		15 maximum	QAWT 1012
K Value (reference)		See note 1	

Note 1: K Value (reference) is 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.

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

Resin Properties	Unit	Specification Range	Test Method
Inherent Viscosity		0.890 – 0.920	ASTM D 1243
K Value		65.7 – 67.1	ISO 1628-2
Bulk Density	lbs./ft. ³	33.0 – 37.0	ASTM D 1895
	g/cc	0.528 – 0.593	
Particle Size	%		ASTM D 1921
40 mesh on		0.5 maximum	
pan		5.0 maximum	
Volatile	%	0.3 maximum	ASTM D 3030
Residual VCM	ppm	1.0 maximum	EPA 107
Foreign Matter (10g PVC/Liter of water)		10 maximum	QAWT 1008

Document information from the supplied Shintech product specification sheets. The source sheets show SE-1300 and SE-950 specifications with effective dates of 06/02/14.

Shintech Inc. • 5618 Highway 332 East, Freeport, Texas 77541 • (979) 233-7861