



SHINTECH

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

Polyvinyl Chloride Resin Product Specifications

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

SE-650F

General Description

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

Features and Uses

Extrusion : Film Sheet, Profiles, Blow Molding
Calendering : Film
Injection Molding : Fittings

Specification

Resin Properties	Unit	Specification Range	Test Method	Typical Value Reference Only
Inherent Viscosity		0.650 – 0.700	ASTM D 1243	0.679
K Value ❶		55.0 – 57.3	DIN 53726	56.3
Bulk Density	lbs./ft. ³	36.5 – 39.5	ASTM D 1895	38.0
	g /cc	0.584 – 0.633		0.608
Particle Size	%		ASTM D 1921	
40 mesh on pan		0.5 maximum		0.0
		5.0 maximum		1.4
Average Particle Size	micron		ASTM D 1921	135
Volatile	%	0.3 maximum	ASTM D 3030	0.2
Residual VCM	ppm	1.5 maximum	EPA 107	0.3
Foreign Matter (250g PVC/Liter of water)		30 maximum	QAWT 1008	15

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.