



## POLYVINYL CHLORIDE SE-650F

**Producer:** Shintech Inc. / The United States (USA)

**Description:** Polyvinyl Chloride Homopolymer ( PVC )

**Polymerization Process :** Suspension

**Appearance :** White, free flow powder.

**Features and Uses :** Extrusion : Film Sheet, Profiles, Blow Molding  
Calendring : Film  
Injection Molding : Fittings

### Specification :

| PROPERTIES                                  | UNIT                  | SPECIFICATION RANGE | TEST METHOD | VALUE |
|---|-----------------------|---------------------|-------------|-------|
| Inherent Viscosity                          |                       | 0.6500 – 0.700      | ASTM D 1243 | 0.679 |
| K Value <sup>1</sup>                        |                       | 55.0 – 57.3         | DIN 53726   | 56.3  |
| Bulk Density                                | lbs./ft. <sup>3</sup> | 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                                  |                       | 0.5 maximum         |             | 0.0   |
| pan   |                       | 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<br>(250g PVC/Liter of water) |                       | 30 maximum          | QAWT 1008   | 15    |

<sup>1</sup> K Value (reference) from a viscosity conversion table.