

PVC

PVC K6701+

SUSPENSION PVC (S-PVC)

This is a medium molecular weight polyvinyl chloride (PVC) homopolymer suspension resin. Its medium molecular weight and low porosity make it easier to gel and allow high output rates. It is suitable for a range of clear and opaque rigid applications where both easy processing at high output rate and high mechanical properties are important. It is typically used for the following applications:

Typical Applications:

- Rigid pipes - potable water pipe, SWR pipe, and drainage pipe
- Rigid profiles, particularly window profiles
- Rigid sheets - opaque and clear
- Rigid duct, conduit and trunking for telecommunication and cable management
- Wire and cable insulation and sheathing
- Footwear compounds
- Flexible calendered sheets - supported and unsupported

Physical Properties

Properties	Test Method	Typical Value	Unit
K-Value	Internal PM01	67 ± 1	
Particle Size < 63 µm (230 mesh)	ASTM D 1921-06	3.0 max	%
Particle Size > 250 µm (60 mesh)	ASTM D 1921-06	5.0 max	%
Bulk Density	ASTM D 1895-03	0.54-0.59	g/cm ³
Dark Resin (per 100 g)	Internal PM06	25 max	
Heat Loss (Moisture)	ASTM D 3030-06	0.3 max	%

Processing Guidelines

After mixing with appropriate additives, the resin is suitable for processing by the extrusion process.

1. The above values are typical, provided for guidance only, and must not be used as a basis for specifications.
2. The nominal properties reported herein are typical of the product and do not reflect normal testing variance; they should not be used for specification purposes.