

## SABIC PVC 703E Emulsion Polyvinyl Chloride for Paste Preparation

Category : Polymer , Thermoplastic , Vinyl (PVC)

### Material Notes:

**Product Description:** PVC 703E is a fine particle, medium-molecular weight PVC homopolymer, made by emulsion polymerization. It is designed for the manufacture of plastisols exhibiting high viscosity and high yield value at low shear rates with pseudoplastic flow characteristics at high shear rates with plasticizer concentrations of >70 Phr. Because of the high viscosity of PVC 703E pastes, this resin is recommended primarily for highly plasticized applications. Plastisols made from this resin exhibit the following main properties: Low gelation temperature Long shelf life, low viscosity aging Little tendency to sediment Good thermal stability with a range of standard stabilizers

**Typical Applications:** PVC 703E has been developed for making plastisols of high yield points and high viscosity, without adding thickening agents. PVC 703E plastisols are ideal for chemical foams of very good quality with very regular closed cell structure, over a large range of oven temperatures. Information provided by SABIC.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-PVC-703E-Emulsion-Polyvinyl-Chloride-for-Paste-Preparation.php](http://www.lookpolymers.com/polymer_SABIC-PVC-703E-Emulsion-Polyvinyl-Chloride-for-Paste-Preparation.php)

Physical Properties	Metric	English	Comments
Bulk Density	0.320 g/cc	0.0116 lb/in <sup>3</sup>	ISO 60
Volatiles	<= 0.30 %	<= 0.30 %	ISO 1269
Particle Size	<= 63 µm	<= 63 µm	1% retained; ISO 1624
	<= 106 µm	<= 106 µm	0.001% retained; ISO 1624
Viscosity	5000 cP	5000 cP	Servers; ASTM D-1823
	@Pressure 0.621 MPa	@Pressure 90.0 psi	
Brookfield Viscosity	70000 cP	70000 cP	20 rpm; ISO 2555/4575

Descriptive Properties	Value	Comments
K-Value	70	ISO 1628-2

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China