

SABIC PVC 701E Emulsion Polyvinyl Chloride for Paste Preparation

Category : Polymer , Thermoplastic , Vinyl (PVC)

Material Notes:

Product Description: PVC 701E is a fine particle, medium-molecular weight PVC homopolymer, made by emulsion polymerization. It is designed for the manufacture of plastisols exhibiting high viscosities at low shear rates and slightly Pseudoplastic flow characteristics at high shear rates with plasticizer concentrations of 40-60 Phr. Plastisols made from this resin exhibit the following properties: Long shelf life, low viscosity aging No tendency towards settling out Easy gelation Good thermal stability with a range of standard stabilizers The potential to use high filler loadings

Typical Applications: Pastes made from PVC 701E are ideal for compact, clear thin coating, and also for chemically blown spread coatings with low plasticizer content. Applications include coatings for conveyor belts, tarpaulins, raincoats, swimming pool liners, tablecloths, wall covering, top coats, handbags, luggage, vinyl-backed carpets, and cushioned vinyl floor coverings. Information provided by SABIC.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-PVC-701E-Emulsion-Polyvinyl-Chloride-for-Paste-Preparation.php

Physical Properties	Metric	English	Comments
Bulk Density	0.320 g/cc	0.0116 lb/in ³	ISO 60
Volatiles	<= 0.30 %	<= 0.30 %	ISO 1269
Particle Size	<= 63 µm	<= 63 µm	0.75% retained; ISO 1624
	<= 106 µm	<= 106 µm	0.005% retained; ISO 1624
Viscosity	45000 cP @Pressure 0.621 MPa	45000 cP @Pressure 90.0 psi	Servers; ASTM D-1823
Brookfield Viscosity	30000 cP	30000 cP	20 rpm; ISO 2555/4575

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

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