

SABIC PVC 673E Emulsion Polyvinyl Chloride

Category : Polymer , Thermoplastic , Vinyl (PVC)

Material Notes:

Product Description: PVC 673E is a fine particle, medium-molecular weight PVC homopolymer, made by emulsion polymerization. It is designed for the manufacture of plastisols exhibiting high viscosity at low shear rates with Newtonian flow characteristics at high shear rates with plasticizer concentrations of 40-60 Phr. Because of the low viscosity of PVC 673E pastes, this resin is recommended primarily for low plasticized applications (hard plastisol application). Plastisols made from this resin exhibit the following main properties: Low gelation temperature Low plastisol viscosity at low shear Low plastisol viscosity at high shear (Newtonian) Ability to form stable plastisol at low levels of plasticizer (100 PVC, 50 DOP) Long shelf life, low viscosity aging Little tendency to sediment Good thermal stability with a range of standard stabilizers

Typical Applications: PVC 673E has been developed for making plastisols of low yield points and low viscosity, agents. PVC 673E plastisols are ideal for chemical foams of very good quality with very regular closed cell structure, over a large range of oven temperatures. The main applications are Cushioned vinyl flooring Artificial leather

Information provided by SABIC.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-PVC-673E-Emulsion-Polyvinyl-Chloride.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	1.80% retained; ISO 1624
	<= 106 µm	<= 106 µm	0.05% retained; ISO 1624
Viscosity	5000 cP	5000 cP	Servers; ASTM D-1823
	@Pressure 0.621 MPa	@Pressure 90.0 psi	
Brookfield Viscosity	25000 cP	25000 cP	20 rpm; ISO 2555/4575

Descriptive Properties	Value	Comments
K-Value	67	ISO 1628-2

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