

SABIC PVC 741E Emulsion Polyvinyl Chloride for Paste Preparation

Category : Polymer , Thermoplastic , Vinyl (PVC)

Material Notes:

Product Description: PVC 741E is a fine particle, high molecular weight PVC homopolymer, made by emulsion polymerization. It is designed for the manufacture of plastisols exhibiting low viscosities at low shear rates and slightly dilatant 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, Low plastisol viscosity, Easy gelation, No tendency toward settling out, High abrasion resistance, Good thermal stability with a range of standard stabilizers, Low percentage of oversized particles, High filler tolerance, Good drum gelling.

Typical Applications: Pastes made from PVC 741E 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-741E-Emulsion-Polyvinyl-Chloride-for-Paste-Preparation.php

Physical Properties	Metric	English	Comments
Bulk Density	0.330 g/cc	0.0119 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	0.01% retained; ISO 1624
Viscosity	45000 cP	45000 cP	Servers; ASTM D-1823
	@Pressure 0.621 MPa	@Pressure 90.0 psi	
Brookfield Viscosity	30000 cP	30000 cP	20 rpm; ISO 2555/4575

Descriptive Properties	Value	Comments
K-Value	74	ISO 1628-2

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