



ALKIMIA LLC

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Doc Name:	<p style="text-align: center;">Product Data sheet</p> <p style="text-align: center;">PVC E6644</p> <p style="text-align: center;">POLYVINYL CHLORIDE (Emulsion)</p>	<p style="text-align: right;"><i>Page / 1</i></p>
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Product: PVC E6644

Producer: Arvand Petrochemical Co.

Description:

PVC E66 is a very fine-particle, pastemaking emulsion homopolymer, giving medium viscosity plastisols with a good shelf life. Plastisols made with PVC E66 have a slightly pseudoplastic rheology (see diagram). PVC E66 exhibits excellent foaming characteristics in chemically blown foams, particularly for screen printing and hot embossing for wall covering manufacturing.

Processing and Applications:

Plastisols based on PVC E66 can be applied by all commonly used coating techniques. PVC E66 is recommended for the production of foamed wallcoverings having smooth or structured surfaces. The product has the following properties:

- outstanding foaming characteristics; low density foams with fine cell structure, even at very high filler content
- medium viscosity at low shear rates with slightly pseudoplastic flow behavior
- very fine particle size
- foams with good whiteness
- good foam inhibition (e.g. with benzotriazole)
- low gelling temperature
- good paste deaerability
- the product is compatible within a wide range of processing variables, with no tendency to over foaming

Disclaimer:

This information is based on our current knowledge and experience. In view of many factors that may affect processing and application, this data does not relieve processors from the responsibility of carrying out their own tests and experiments, neither does it imply any legally binding assurance of certain properties or of suitability for a specific purpose. It is the responsibility of those to whom we supply our products to ensure that any proprietary rights and existing laws and legislation are observed.



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Typical Data:

Typical Properties	Units	Value	Test Method
K – Value		64 ~ 66	ISO 1628/2
Sieve Analysis >63 µm	%	≤ 1.5	ISO 565
Volatile Matter	Wt.%	≤ 0.3	ISO 1269
Methanol Extract	Wt.%	≤ 2.0	ISO 6427
Residual VCM	ppm	≤ 1	ISO 6401
Thermostability (min) Mathiss Drying Oven	min	>15	
Paste Viscosity After 1 h (Pas)	(Pas)	≤ 7	ISO 11468 ISO 3219
Part of Quality	%	≥98	

Packaging, Delivery and Storage:

The product is supplied in 20-kg bags. PVC E66 should be stored dry and away from direct or indirect sources of heat. Please consult the safety data sheet for information about the safety precautions necessary for transport, storage, blending and processing. Jumbo Bag/Bunker.

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