

Arvand Petrochemical Company
PVC E7244 M (Medium Viscosity Paste)
POLYVINYL CHLORIDE (Emulsion)

Product Description:

PVC E72 is a fine-particle emulsion homopolymer for making PVC pastes. Plastisols based on PVC E72 are distinguished by a Medium initial viscosity and almost newtonian flow properties. Principal applications are pastes for compact vinyl wallcoverings, flooring and leathercloth, as well as for coating of woven and non-woven fabrics and of glass strands.

Features:

On account of its favourable rheology at high shear rates, pastes made from PVC E72 can be processed with all the usual coating methods, particularly with reverse roll coaters.

The following properties make PVC E72 particularly suited to the manufacture of low plasticizer and/or highly filled pastes:

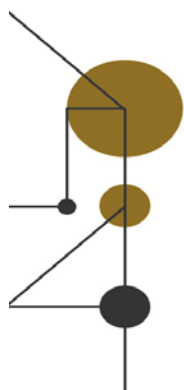
- Medium initial viscosity
- almost linear flow properties
- excellent release effect during contact fusion

Processing:

high suitability for mechanically blown foam containing silicone based foaming aids The Medium initial viscosity of PVC E72, coupled with its almost linear flow characteristics, allows the production of very thin coatings (< 100 mm), even at high coating speeds on reverse roll coaters and rotary screen printers. The initial viscosity may be reduced further and eventually appearing dilatancy can be eliminated through combinations with extender resins. The high filler-loading capability allows the formulation of particularly cost effective pastes.

Applications:

PVC E7244 are used for base coating of CV-flooring, leading to a smooth surface with no tendency to form plate out on the pre-gelling cylinder. flooring and leather cloth, as well as for coating of woven and non-woven fabrics and glass strands.



Typical data:

Typical Properties	Units	Value	Test Method
K – Value	-	72	ISO 1628/2
Sieve Analysis >63 μm	%	≤ 1.5	ISO 565
Volatile Matter	wt%	≤ 0.3	ISO 1269
Methanol Extract	wt%	≤ 2.5	ISO 6427
Residual VCM	ppm	≤ 1	ISO 6401
Thermostability (min) Mathiss Drying Oven (180 °C)	min	>20	Vinnolit J/28
Paste Viscosity After 1 h (Pas)- (16S ⁻¹)	(Pa.s)	5<paste<8	ISO 11468 ISO 3219
Apparent Bulk Density	g/ml	0.3 ~ 0.6	ISO 60
Emulsifire Content	-	medium	-

Packaging, Delivery and Storage:

The product is supplied in 20-kg bags as well as in bulk form. PVC E72 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.

