

Technical Data Sheet

Product Description

FM E-PVC 66

E66 is a very fine-particle, paste making emulsion homopolymer, giving medium viscosity plastisols with a good shelf life. Plastisols made with E66 have a slightly pseudoplastic rheology (see diagram). E66 exhibits excellent foaming characteristics in chemically blown foams, particularly for screen printing and hot embossing for wall covering manufacturing. Plastisols based on E66 can be applied by all commonly used coating techniques. E66 is recommended for the production of foamed wall coverings 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 pseudo plastic flow behaviour. Very fine particle size. Foams with good whiteness. Good foam inhibition (eg with benzotriazole). Low gelling temperature. Good paste deaeratability. E66 is compatible within a wide range of processing variables, with no tendency to over foaming.

Characteristic	Typical Value	Unit	Test Method
<i>K-Value</i>	64-66	-	ISO 1628/2
<i>Sieve Analysis > 63 μm</i>	≤1.5	%	ISO 565
<i>Volatile Matter</i>	≤0.3	Wt%	ISO 1269
<i>Methanol extract</i>	≤2.0	Wt%	ISO 6427
<i>Residual VCM</i>	≤1	ppm	ISO 6401
<i>Thermostability, Mathiss drying oven</i>	>15	min	-
<i>Paste viscosity After 1h</i>	≤7	Pas	ISO 11468 ISO 3219
<i>Part of Quality</i>	≥98	%	-

Notes: Values shown are averages and are not to be considered as product specification. These values may shift slightly as additional data is accumulated. - ISO test methods are the latest under the society's current procedures.

Production

The monomer feedstocks used in production are registered with REACH, the polymers are exempted from REACH registration according to REACH article 2 (9.).

Handling, Health & Safety

Ensure proper ventilation of the work environment to minimize health and safety hazards from fine particles. Ensure machinery and equipment is properly grounded to prevent sparks that can ignite dust. Molten polymers will cause thermal injuries to organic matter please ensure safety glasses and appropriate safety apparel is worn.

Packing & Storage Conditions

The product is supplied in 25 kg bags on 1375 kg pallets or 1100 kg big bags. For certain destinations dry bulk deliveries are possible using a Dry Bulk Liner for 20ft and 40ft containers. The material 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.



Bultweg 11
8346 KA De Bult
The Netherlands

Broekslagen 6
8331 TJ Steenwijk
The Netherlands

F: +31 521 52 20 84
T: +31 521 52 00 41

www.fmplastics.nl
info@fmplastics.nl