

# Technical Data Sheet

## Product Description

### FM E-PVC 60

**E60** is a low molecular weight emulsion type PVC homopolymer with a low-medium emulsifier content. It produces plastisols exhibiting low-medium viscosity at low and high shear rates with slightly pseudoplastic flow properties with low plasticizer levels (40-60 phr). Because of its low molecular weight it may be used on its own or in blends to generally decrease gelling/fusion temperatures and in some cases replace copolymers. It gives good thermal stability with a wide range of stabilizer types especially organo-tin types. The use of high speed type mixers is recommended. E60 produces plastisols which are suitable for low plasticizer content, high filler content compact and chemically foamed formulations particularly for compact coatings on temperature sensitive fabrics requiring lower fusion temperatures, low expansion temperature chemical foams for flooring and carpet backings and wallcoverings. It is also suitable for use in mechanically foamed formulations. Spreading plastisols can be applied by direct, transfer or rotary screen coating processes.

<b>Characteristic</b>	<b>Typical Value</b>	<b>Unit</b>	<b>Test Method</b>
<i>K-Value</i>	59-61	-	ISO 1628/2
<i>Sieve Analysis &gt; 63 μm</i>	≤1.5	%	ISO 565
<i>Volatile Matter</i>	≤0.3	Wt%	ISO 1269
<i>Methanol extract</i>	≤2.5	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>	≤13	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](http://www.fmplastics.nl)  
[info@fmplastics.nl](mailto:info@fmplastics.nl)