

# Technical Data Sheet

## Product Description

### FM S-PVC 60

**S60** is a free-flowing suspension polymer with excellent fusion properties. It is recommended for sheet, profile and film manufacturing. S60 can be converted into free flowing mixtures using common PVC stabilizer and lubricants blends. In suitable formulations, finished parts made of S60 show the following properties: high transparency, low fish-eye count and low water uptake. S60 is used in a variety of applications and processes like: oriented and unoriented rigid film produced on calendars and extruders, extruded and compression-moulded sheets, rigid profiles and sheets and profiles produced by Celuka or free-foaming processes. S60 may also be converted into finished articles and blow mouldings on standard injection moulding equipment.

<b>Characteristic</b>	<b>Typical Value</b>	<b>Unit</b>	<b>Test Method</b>
<i>K-Value</i>	60±1	g/cm <sup>3</sup>	ISO 1628-2
<i>Viscosity number</i>	84-92	ml/g	ISO 1628-2
<i>Bulk density</i>	520-580	g/l	ISO 60
<i>Sieve analysis</i>	-	-	-
<i>&gt;63 µm</i>	95-100	%	ISO 4610
<i>&gt;250 µm</i>	0-1	%	ISO 4610
<i>Retained on 0.4 mm sieve</i>	< 1	%	ISO 4610
<i>Porosity (plasticizer absorption)</i>	16-22	% wt	ISO 4608
<i>Volatile matter</i>	< 0.3	%	ISO 1269
<i>Flowability (10mm nozzle)</i>	≤ 25	s/150g	ISO 6168
<i>Residual VCM</i>	≤ 1	PPM	ISO 6401
<i>Dark resin particles</i>	≤ 20	Count/250g	Vinnolit F5
<i>Fish eyes</i>	≤ 5	Counts/25cm <sup>2</sup>	Vinnolit H1
<i>Sulfate ash</i>	< 0.1	wt%	ISO 3451-1

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.



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