

Technical Data Sheet

Product Description

FM S-PVC 70

S70 is a free flowing vinyl chloride homopolymer resin having high molecular weight. It is manufactured by suspension polymerization. S70 has following properties that make it suitable for plasticized PVC processing: high porosity (excellent plasticizer absorption), low content of fines (easy handling and conveying), good di-electrical properties (good electrical insulation properties) and good transparency and low gels content (good for transparent applications). S70 is designed to give an easy processing product for flexible applications since it has the ability to fast absorb substantial quantities of plasticizers. It is a high molecular weight resin and therefore, presents good end products 'mechanical properties. Extrusion: cable sheathing and wire insulation, flexible films and sheets , flexible profiles, hoses and flexible articles like shoe soles. Calendering: flexible sheets and films.

Characteristic	Typical Value	Unit	Test Method
<i>K-Value</i>	70±1	g/cm ³	ISO 1628-2
<i>Viscosity number</i>	120-129	ml/g	ISO 1628-2
<i>Bulk density</i>	450-510	g/l	ISO 60
<i>Sieve analysis</i>	-	-	-
<i>>63 µm</i>	95-100	%	ISO 4610
<i>>250 µm</i>	0-1	%	ISO 4610
<i>Retained on 0.4 mm sieve</i>	< 1	%	ISO 4610
<i>Porosity (plasticizer absorption)</i>	29-35	% wt	ISO 4608
<i>Volatile matter</i>	< 0.3	%	ISO 1269
<i>Flowability (10mm nozzle)</i>	≤ 35	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>	≤ 2	Counts/25cm ²	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.



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