

Technical Data Sheet

Product Description

FM S-PVC 58

S58 is a Suspension-Poly Vinyl Chloride (S-PVC) manufactured by suspension polymerization. S58 has the following properties that make it suitable for rigid PVC applications: low content of fines (easy handling and conveying), narrow particle size distribution (easy processing), moderate melt viscosity (easy processing even in injection molding), high tensile properties (good end product performance). S58 is designed to give an easy processing product for rigid applications since it has low melt viscosity. It is mainly designed for injection molding and thin wall extrusion products but can be easily used for other applications such as foamed rigid sheets.

Characteristic	Typical Value	Unit	Test Method
<i>K-Value</i>	58±1	g/cm ³	ISO 1628-2
<i>Viscosity number</i>	79-86	ml/g	ISO 1628-2
<i>Bulk density</i>	540-600	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>	14-20	% 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 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.



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