Technical Data Sheet

Product Description

FM E-PVC 75

E75 is a fine particles, high molecular weight PVC homopolymer, made by emulsion polymerization. It is designed for the manufacture of plastisols exhibiting low viscosities at low shear rates and slightly dilatant flow characteristic at high shear rates with plastizer concentration of (40 –60) Phr. Plastisol made from this resin exhibit the following properties: long shelf life, low viscosity aging, low plastisol viscosity, easy gelation, no tendency towards settling out, high abrasion resistance, good thermal stability with a range of standard stabilizers, low percent of oversized particles, high filler tolerance and good drum gelling. Pastes made from E75 are ideal for compact, clear thin coating, and also for chemically blown spread coatings with low plasticizer content. E75 pastes are particularly suitable for: spread coating of compact layers of low-to medium plasticizer levels having good mechanical properties (conveyer bells, tarpaulins) and good transparency (raincoats, swimming pool liners, tablecloths). Spread coating of compact, thin layers made at high speed (wall covering, top coats). Spread coating of chemically blown layers with low plasticizer content (handbags, luggage) or with medium-plasticizer and high-filler content (vinyl-backed carpets, cushioned vinyl floor coverings). Screen coating of textured foamed wall covering. E75 is also suitable for other processes, e.g. rotational molding, slush molding and dipping.

Characteristic	***Typical Value***	***Unit***	***Test Method***
K-Value	74-76	-	ISO 1628/2
Sieve Analysis > 63 µm	≤1.5	%	ISO 565
Volatile Matter	≤0.3	Wt%	ISO 1269
Methanol extract	≤2.5	Wt%	ISO 6427
Residual VCM	≤1	ppm	ISO 6401
Thermostability, Mathiss drying oven	>20	min	-
Paste viscosity After 1h	≤5	Pas	ISO 11468 ISO 3219
Part of Quality	≥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.

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