Doc Name:	**Product Data sheet** **PVC E60** **POLYVINYL CHLORIDE (Emulsion)**	*P a g e*	*1*

Product: PVC E60

Producer: Arvand Petrochemical Co.

Description:

PVC E60 is a low molecular weight emulsion type PVC homopolymer with a lowmedium 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.

Features:

Due to the low K-value of 60 provides faster fusion even at low temperatures and can be foamed into fine cells when using particular kicker / blowing agent combinations, and/or fast kickers. The product is therefore particularly well suited for back coat foaming of CV floor coverings

Applications:

paste grade for Floor coverings, Wallpapers, wall coverings

Processing:

PVC 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.

Typical Data:

Typical Test	Units	Value	Test Method
K – Value		60	ISO 1628/2
Sieve Analysis >63 μm	%	≤ 1.5	ISO 565
Volatile Matter	wt%	≤ 0.3	ISO 1269
Methanol Extract	wt%	≤ 2.5	ISO 6427
Residual VCM	ppm	≤ 1	ISO 6401
Thermostability (in180 ° C) Mathiss Drying Oven	min	>15	Vinnollit THMA 180
Paste Viscosity After 1 h (16 S-1)	(Pa.s)	≤13	ISO 11468 ISO 3219
Apparent Bulk Density	g/ml	0.3- 0.6	ISO 60

Packaging, Delivery and Storage:

The product is supplied in 20-kg bags as well as in bulk form.

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PVC E60 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. Jumbo Bag/Bunker.