



Formolon-KVH

PVC Homopolymer Dispersion Resin

F-KVH is a structured high molecular weight PVC dispersion resin which imparts pseudoplastic flow to plastisols in which it is used. Plastisols prepared utilizing F-KV are particularly suited for dip, slush and rotational molding where mold release and pseudoplasticity are desired as well as fabric coating applications where minimum strike through is essential.

TYPICAL RESIN PROPERTIES:

ASTM Classification	ASTM D-1755	D5-93
Relative Viscosity	F-6, 1% in Cyclohexanone 25°C	2.65
Inherent Viscosity	ASTM D-1243(A)	1.20
K-Value	Fikentscher's Constant	75
Volatiles	ASTM D-3030	0.3%
Methanol Extract	ASTM D-2222	1.5%

TYPICAL PLASTISOL¹ PROPERTIES:

Brookfield Viscosity	SPI-VD-T1	2 rpm aged 2 hrs.	5000 poise
		20 rpm aged 2 hrs.	600 poise
Severs Viscosity	SPI-VD-T2	100 psig aged 2 hrs.	80 poise
Gelation Temperature	SPI-VD-T18		172°F

TYPICAL FUSED FILM² PROPERTIES:

Haze	ASTM D-1003	5%
Heat Stability	ASTM D-2115	45 min.
Tensile Strength	ASTM D-638	2950 psi

Notes:

1. 500 gm resin and 300 gm. DOP, Hobart N-50 mixed 5 min. @ No. 1 speed and 10 min. @ No. 2 speed, undaerated.
2. 20 mils. Containing 60 phr DOP and 2 phr Mark KCB, deaerated plastisol, fused 5 min. @ 370°F, on Ferro plate.

Any inquiries regarding this data sheet should be addressed to: 9 Peach Tree Hill Road • Livingston, NJ 07039 • Phone: (888) FPCUSA3 • Fax: (973) 716-7230

The information and recommendations in this publication are, to the best of our knowledge, reliable. Suggestions concerning uses or applications are only the opinion of FORMOSA PLASTICS CORPORATION, U.S.A. and users should perform their own tests to determine the suitability of these products for their own particular purposes. However, because of numerous factors affecting the results, FORMOSA PLASTICS CORPORATION, U.S.A. MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, other than that the material conforms to the applicable current Standard Specifications Statements herein, therefore, should not be construed as representations or warranties. The responsibility of FORMOSA PLASTICS CORPORATION, U.S.A. for claims arising out of breach of warranty, negligence, strict liability or otherwise is limited to the purchase price of the material. Statements concerning the use of the products of formulations described herein are not to be construed as recommending the infringement of any patent and no liability for infringement arising out of any such use is assumed.