



# Formolon® -KVF

## PVC Homopolymer Dispersion Resin

F-KVF is a medium molecular weight, fine particle PVC homopolymer dispersion which imparts pseudoplastic flow to plastisol in which it is used. Plastisol prepared utilizing F-KVF are particularly for dip, slush and rotational molding where mold release and pseudoplasticity are desired. Also fabric coating where minimum strike through is essential as well as screen printing application where fine particle and pseudoplasticity are required.

### TYPICAL RESIN PROPERTIES

Relative Viscosity	QC-10-104	2.25
Inherent Viscosity	ASTM D1243	0.96
K-Value	Fikentscher's Constant	67
Volatiles	ASTM D3030	0.5%
Methanol extract	ASTM D2222	1.0 %

### TYPICAL PLASTISOL<sup>1</sup> PROPERTIES

Brookfield Viscosity	SPI-VD-T1	2 rpm aged 2 hrs	8600 poise
		20 rpm aged 2 hrs	920 poise
Severs Viscosity	SPI-VD-T2	100 psig aged 2 hrs	80 poise
Gelation Temperature	SPI-VD-T18		158 °F

1. 500 gm resin and 300 gm DOP, Hobart mixer mixed 5 min. @ No. 1 speed and 10 min. @ No. 2 speed, undeaerated.

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