



Formosa Plastics®

Formolon® PVC

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. Plastisols prepared utilizing F-KVF are used in dip, slush and rotational molding where mold release and pseudoplasticity are desired. Fabric coating where minimum strike through is essential as well as screen printing application where fine particle size and pseudoplasticity is required.

TYPICAL RESIN PROPERTIES

Relative Viscosity	estimated	2.22
Inherent Viscosity	ASTM D5225	0.92
K-Value	Fikentscher's Constant	67
Volatiles	ASTM D3030	0.5%
Methanol extract	ASTM D2222	1.5 %

TYPICAL PLASTISOL¹ PROPERTIES

Brookfield Viscosity	ASTM D1824	2 rpm aged 2 hrs	3000 poise
		20 rpm aged 2 hrs	400 poise
Severs Viscosity	ASTM D1823	100 psig aged 2 hrs	20 poise
Gelation Temperature			182 °F

500 gm resin and 500 gm DOP, Hobart mixer mixed 5 min. @ No. 1 speed and 10 min. @ No. 2 speed, undeareated. (Resin conditioned 4 hours @45-55% RH / 70-74°F before Mixed)

NOTE: The physical data presented above are typical values and should not be construed as a specification.

Originally Published 08/25/2010, Revised 05/19/2023

Any inquiries regarding this data sheet should be addressed to: 9 Peach Tree Hill Road • Livingston, NJ 07039 • Phone: (800) 363-1823 • Fax: (973) 716-7483

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05/23

