



Formosa Plastics®

Formolon®-KVH

PVC Homopolymer Dispersion Resin

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

TYPICAL RESIN PROPERTIES

Relative Viscosity	estimated	2.65
Inherent Viscosity	ASTM D5225	1.16
K-Value	Fikentscher's constant	75
Volatiles	ASTM D3030	0.3%
Methanol Extract	ASTM D2222	1.5 %

TYPICAL PLASTISOL¹ PROPERTIES

Brookfield Viscosity	ASTM D1824 2 rpm aged 2 hrs	520 poise
	20 rpm aged 2 hrs	650 poise
Severs Viscosity	ASTM D1823 100 psig aged 2 hrs	110 poise
Gelation Temperature		184 °F

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

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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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