



Formosa Plastics®

Formolon® PVC

Formolon-38

PVC Homopolymer Dispersion Resin

F-38 is a high molecular weight plastisol dispersion resin which exhibits low paste viscosities, exceptional air release as well as a balance of other properties which permits utilization of this product in a variety of applications including dip coating, slush and roto-molding, in addition to both solid and expanded fabric coating constructions.

TYPICAL RESIN PROPERTIES:

ASTM Classification	ASTM D-1755	D5-34
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	2.5%

TYPICAL PLASTISOL¹ PROPERTIES:

Brookfield Viscosity	SPI-VD-T1	2 rpm aged 2 hrs.	60 poise
		20 rpm aged 2 hrs.	50 poise
Severs Viscosity	SPI-VD-T2	100 psig aged 2 hrs.	150 poise
Gelation Temperature	SPI-VD-T18		168°F

TYPICAL FUSED FILM² PROPERTIES:

Haze	ASTM D-1003	30%
Heat Stability	ASTM D-2115	40 min.
Tensile Strength	ASTM D-638	2950 psi

Notes:

- 500 gm resin and 300 gm. DOP, Hobart N-50 mixed 5 min. @ No. 1 speed and 10 min. @ No. 2 speed, undaerated.
- 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

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