



Formosa Plastics®

Formolon-28

PVC Homopolymer Dispersion Resin

F-28 is a high molecular weight PVC dispersion resin which exhibits low past viscosities as well as low residual surfactant content. This product was designed for a diversity of applications such as dip coating, slush molding, spread costing, rotocasting, organosols and other areas where high physical properties are essential.

TYPICAL RESIN PROPERTIES:

ASTM Classification	ASTM D-1755	D5-22
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	1.4%

TYPICAL PLASTISOL¹ PROPERTIES:

Brookfield Viscosity	SPI-VD-T1	2 rpm aged 2 hrs.	70 poise
		20 rpm aged 2 hrs.	45 poise
Severs Viscosity	SPI-VD-T2	100 psig aged 2 hrs.	70 poise
Gelation Temperature	SPI-VD-T18		180°F

TYPICAL FUSED FILM² PROPERTIES:

Haze	ASTM D-1003	19%
Heat Stability	ASTM D-2115	40 min.
Tensile Strength	ASTM D-638	2975 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

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