



**Formosa Plastics®**

**Formolon® PVC**

## Formolon-24A

### *PVC Homopolymer Dispersion Resin*

F-24A is a low molecular weight PVC dispersion resin which has been developed primarily for use in chemically expanded compounds as well as other applications where rapid gelation and physical property development at low temperatures are required. In expanded systems, the product exhibits a fine uniform cell structure in a variety of formulations and over a wide range of processing conditions. F-24A is further characterized as displaying good plastisol viscosity and viscosity stability.

#### **TYPICAL RESIN PROPERTIES:**

ASTM Classification	ASTM D-1755-66	D1-32
Relative Viscosity	F-6, 1% in Cyclohexanone 25°C	2.15
Inherent Viscosity	ASTM D-1243	0.90
K-Value	Fikentscher's Constant	65
Volatiles	ASTM D-3030	0.3%
Methanol Extract	ASTM D-2222	1.8%

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

Brookfield Viscosity	SPI-VD-T1	2 rpm aged 2 hrs.	125 poise
		20 rpm aged 2 hrs.	70 poise
Severs Viscosity	SPI-VD-T2	100 psig aged 2 hrs.	70 poise
Gelation Temperature	SPI-VD-T18		154°F

#### **TYPICAL FUSED FILM<sup>2</sup> PROPERTIES:**

Haze	ASTM D-1003	20%
Heat Stability	ASTM D-2115	35 min.
Tensile Strength	ASTM D-638	2350 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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