



Formosa Plastics®

Formolon-45

Vinyl Chloride-Vinyl Acetate Copolymer Dispersion Resin

F-45 is a vinyl chloride-vinyl acetate copolymer dispersion resin with medium paste viscosities, good heat stability and rapid fusion characteristics. F-45 has been successfully used in mechanical frothed foam, solid rug backing, laminating, fabric coating, flocking adhesives, automotive sealants and many other applications.

TYPICAL RESIN PROPERTIES:

ASTM Classification	ASTM D-1755	D4-43
Relative Viscosity	F-6, 1% in Cyclohexanone 25°C	2.50
Inherent Viscosity	ASTM D-1243(A)	1.10
K-Value	Fikentscher's Constant	72
Volatiles	ASTM D-3030	0.4%
Methanol Extract	ASTM D-2222	2.0%
Bound Vinyl Acetate	F-8, Infrared	7.0%

TYPICAL PLASTISOL¹ PROPERTIES:

Brookfield Viscosity	SPI-VD-T1	2 rpm aged 2 hrs.	250 poise
		20 rpm aged 2 hrs.	170 poise
Severs Viscosity	SPI-VD-T2	100 psig aged 2 hrs.	150 poise
Gelation Temperature	SPI-VD-T18		142°F

TYPICAL FUSED FILM² PROPERTIES:

Haze	ASTM D-1003	13%
Heat Stability	ASTM D-2115	15 min.
Tensile Strength	ASTM D-638	2650 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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