



Formosa Plastics®

# Formolon® -45

## PVC Dispersion Copolymer Resin

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

### TYPICAL RESIN PROPERTIES

Relative Viscosity	ASTM D2857	2.50
Inherent Viscosity	ASTM D1243	1.10
K-Value	Fikentscher's constant	72
Volatiles	ASTM D3030	0.4%
Methanol Extract	ASTM D2222	1.8%
Bound Vinyl Acetate	QC-10-105	7.5%

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

Brookfield Viscosity	ASTM D1824 2 rpm aged 2 hrs	110 poise
	20 rpm aged 2 hrs	70 poise
Severs Viscosity	ASTM D1823 100 psig aged 2 hrs	120 poise
Gelation Temperature		148 °F

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

NOTE: The physical data presented above are typical values and should not be construed as a specification.

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