



Formosa Plastics®

Formolon® PVC

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	estimated	2.50
Inherent Viscosity	ASTM D5225	1.08
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 PLASTISOL¹ PROPERTIES

Brookfield Viscosity	ASTM D1824 2 rpm aged 2 hrs	100 poise
	20 rpm aged 2 hrs	70 poise
Severs Viscosity	ASTM D1823 100 psig aged 2 hrs	125 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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