



Formosa Plastics®

Formolon-40

Vinyl Chloride-Vinyl Acetate Copolymer Dispersion Resin

F-40 is a vinyl chloride vinyl acetate copolymer dispersion resin with low paste viscosities, excellent heat stability, and rapid fusion characteristics. F-40 has been successfully used in mechanically frothed form, solid rug backing, laminating, fabric coating, flocking adhesives, automotive sealants, and many other applications.

TYPICAL RESIN PROPERTIES:

ASTM Classification	ASTM D-1755	D3-32
Relative Viscosity	F-6, 1% in Cyclohexanone 25°C	2.40
Inherent Viscosity	ASTM D-1243(A)	1.04
K-Value	Fikentscher's Constant	70
Volatiles	ASTM D-3030	0.3%
Methanol Extract	ASTM D-2222	1.6%
Bound Vinyl Acetate	F-8, Infrared	5.0%

TYPICAL PLASTISOL¹ PROPERTIES:

Brookfield Viscosity	SPI-VD-T1	2 rpm aged 2 hrs.	85 poise
		20 rpm aged 2 hrs.	55 poise
Severs Viscosity	SPI-VD-T2	100 psig aged 2 hrs.	90 poise
Gelation Temperature	SPI-VD-T18		152°F

TYPICAL FUSED FILM² PROPERTIES:

Haze	ASTM D-1003	13%
Heat Stability	ASTM D-2115	20 min.
Tensile Strength	ASTM D-638	2650 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

The information and recommendations in this publication are, to the best of our knowledge, reliable. Suggestions concerning uses or applications are only the opinion of FORMOSA PLASTICS CORPORATION, U.S.A. and users should perform their own tests to determine the suitability of these products for their own particular purposes. However, because of numerous factors affecting the results, FORMOSA PLASTICS CORPORATION, U.S.A. MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, other than that the material conforms to the applicable current Standard Specifications Statements herein, therefore, should not be construed as representations or warranties. The responsibility of FORMOSA PLASTICS CORPORATION, U.S.A. for claims arising out of breach of warranty, negligence, strict liability or otherwise is limited to the purchase price of the material. Statements concerning the use of the products of formulations described herein are not to be construed as recommending the infringement of any patent and no liability for infringement arising out of any such use is assumed.