



Formosa Plastics®

Formolon® PVC

Formolon® - 40

PVC Dispersion Copolymer Resin

F-40 is a vinyl chloride/vinyl acetate dispersion copolymer resin with low paste viscosity, excellent heat stability, and rapid fusion characteristics. F-40 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	2.40
Inherent Viscosity	ASTM D5225	1.04
K-Value	Fikentscher's constant	70
Volatiles	ASTM D3030	0.3%
Methanol Extract	ASTM D2222	1.8%
Bound Vinyl Acetate	QC-10-105	4.5%

TYPICAL PLASTISOL¹ PROPERTIES

Brookfield Viscosity	ASTM D1824 2 rpm aged 2 hrs	90 poise
	20 rpm aged 2 hrs	55 poise
Severs Viscosity	ASTM D1823 100 psig aged 2 hrs	85 poise
Gelation Temperature		153 °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.

Originally Published 05/31/1998, Revised 02/06/2023.

Any inquiries regarding this data sheet should be addressed to: 9 Peach Tree Hill Road • Livingston, NJ 07039 • Phone: (800) 363-1823 • Fax: (973) 716-7483

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.

©Formosa Plastics Corporation, U.S.A.

Formolon® is a registered trademark of FPC USA

02/23

