



Formolon® -28

PVC Homopolymer Dispersion Resin

F-28 is a high molecular weight PVC homopolymer dispersion resin which exhibits low paste viscosities as well as low residual surfactant content. This product was designed for diverse applications such as dip coating, slush molding, rotocasting, organosols and other areas where high tensile strength is essential.

TYPICAL RESIN PROPERTIES

Relative Viscosity	estimated	2.64
Inherent Viscosity	ASTM D 5225	1.15
K-Value	Fikentscher's constant	75
Volatiles	ASTM D3030	0.3%
Methanol Extract	ASTM D2222	1.7%

TYPICAL PLASTISOL¹ PROPERTIES

Brookfield Viscosity	ASTM D1824	2 rpm aged 2 hrs	55 poise
		20 rpm aged 2 hrs	35 poise
Severs Viscosity	ASTM D1823	100 psig aged 2 hrs	60 poise
Gelation Temperature			206 °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.