



Formosa Plastics®

Formolon-1071

PVC Homopolymer Dispersion Resin

F-1071 is a high molecular weight, fine-particle-size PVC homopolymer dispersion resin with low surfactant content. Its high molecular weight yields products with improved tensile strength and abrasion resistance. Products based on F-1071 exhibit excellent heat stability, gloss, and clarity. Applications include sheet goods flooring wear layer and can liners.

TYPICAL RESIN PROPERTIES:

ASTM Classification	ASTM D-1755	D5-22
Relative Viscosity*	QC-10-104	2.83
Inherent Viscosity	ASTM D-1243	1.27
K-Value**		79
Volatiles	ASTM D-3030	0.5%
Methanol Extract	ASTM D-2222	1.0%

TYPICAL PLASTISOL¹ PROPERTIES:

Brookfield Viscosity	SPI-VD-T1	2.5 rpm aged 2 hrs.	52 poise
		20 rpm aged 2 hrs.	38 poise
Severs Viscosity	SPI-VD-T2	100 psig aged 2 hrs.	80 poise
Gelation Temperature	SPI-VD-T18		180°F

TYPICAL FUSED FILM² PROPERTIES:

Haze	ASTM D-1003	10%
Heat Stability	ASTM D-2115	40 min.
Tensile Strength	ASTM D-638	3474 psi

Notes:

* 1% solution in cyclohexanone @ 25°C

** 0.5 g/100 cc in cyclohexanone @ 25°C

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

2. 20 mils. Containing 60 phr DOP and 2 phr stabilizer, 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.