



Formosa Plastics®

Formolon® PVC

Formolon® -1071

PVC Homopolymer Dispersion Resin

F-10 is a high molecular weight, fine particle size PVC homopolymer dispersion resin with low surfactant content. The high molecular weight results in product 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 thin film coatings.

TYPICAL RESIN PROPERTIES

Relative Viscosity	estimated	2.83
Inherent Viscosity	ASTM D5225	1.25
K-Value	Fikentscher's Constant	79
Volatiles	ASTM D3030	0.5%
Methanol Extract	ASTM D2222	1.0 %

TYPICAL PLASTISOL¹ PROPERTIES

Brookfield Viscosity	ASTM D1824 2 rpm aged 2 hrs	52 poise
	20 rpm aged 2 hrs	38 poise
Severs Viscosity	ASTM D1823 100 psig aged 2 hrs	80 poise
Gelation Temperature		180 °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 03/26/2024.

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03/24

