



Formolon®-1071

PVC Homopolymer Dispersion Resin

F-1071 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	ASTM D2857	2.83
Inherent Viscosity	ASTM D1243	1.27
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	SPI-VD-T18		180 °F

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

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