

Formolon® 24A

Polyvinyl Chloride Homopolymer

Formosa Plastics Corporation, U.S.A.

Message:

F-24A is a low molecular weight PVC homopolymer dispersion resin which has been developed primarily for use in chemically expanded compounds as well as other applications where rapid gelation and physical property development at low temperature are required. In expanded systems, the product exhibits a fine uniform cell structure in a variety of formulations and over a wide range of processing conditionals. F24A is further characterized as displaying good plastisol viscosity and viscosity stability.

General Information			
Features	Dispersible		
	Fast Gel		
	Homopolymer		
	Low Molecular Weight		
	Medium Viscosity		
Agency Ratings	EC 1907/2006 (REACH)		
Forms	Pellets		
Physical	Nominal Value		Test Method
K-Value	65.0		
Inherent Viscosity	0.90		ASTM D1243
Relative Viscosity	2.15		
Brookfield Viscosity			
-- ¹	7.00	Pa·s	
-- ²	12.5	Pa·s	
Sever Viscosity ³	7.00	Pa·s	
Gel Temperature	68	°C	
Methanol Extractables	1.8	%	ASTM D2222
Volatiles	0.30	%	ASTM D3030
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 0.508 mm)	16.2	MPa	ASTM D638
Optical	Nominal Value	Unit	Test Method
Haze (508 μm)	20	%	ASTM D1003
NOTE			
1.	20 rpm, aged 2 hr		
2.	2 rpm, aged 2 hr		
3.	100 psig, aged 2 hr		

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