

## OxyVinyls® 500F

### General Description

Type: Polyvinyl Chloride Homopolymer  
 Polymerization Process: Suspension  
 Appearance: White, free flowing powder

### Features and Uses

Medical and Food Grade Flexible Film and Sheet	Low Gels and Contamination
Medical and Food Grade Tubing and Molded Devices	Uniform Plasticizer Absorption
Wire and Cable Insulation	Calendered Goods
Blood Bags	Higher Strength Products

Resin Properties	Typical Value	Specification Range	Test Method
Inherent Viscosity (dl/g)	1.07	1.05 - 1.09	OxyVinyls 893
Relative Viscosity	2.45	--	Correlation
"K" Value	71	--	Correlation
Volatiles (%)	0.06	0 - 0.3	OxyVinyls 1242
Malvern Particle Size			
% Retained on 40 mesh	0	0 - 0.5	OxyVinyls 1390
% Retained on 40+60 mesh	1.5	0 - 10	OxyVinyls 1390
% Through 140 mesh	6.7	0 - 20	OxyVinyls 1390
% Retained on pan	2.9	0 - 6	OxyVinyls 1390
Dark specks (#/100gm)	5	0 - 9	OxyVinyls 1217
Residual Monomer (ppm)	0.02	0 - 1	OxyVinyls 1005
Powder Mix Time(s)	289	250 - 350	OxyVinyls 488
Porosity (cc/g)	0.37	0.30 - 0.40	OxyVinyls 1094
Fisheyes	10	0 - 10	OxyVinyls LQP-09
Flow Time(s)	20	12 - 26	OxyVinyls 1169
Apparent Bulk Density (g/cc)	0.50	0.47 - 0.57	OxyVinyls 1169
ASTM Cell Classification	GP-5-15353	--	ASTM D 1755
CAS Number	9002-86-2		

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**Oxy Vinyls, LP**  
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