



## 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

Excellent Color and Clarity

Resin Properties	Specification Range	Test Method
Inherent Viscosity (dl/g)	1.050 – 1.090	OxyVinyls 1386
K Value	70 – 72	Correlation
Volatiles (%)	0.3 Max.	OxyVinyls 1242
<u>Malvern Particle Size</u>		
% Retained on 40 mesh	0.2 Max.	OxyVinyls 1505
% Retained on 60 mesh	2.0 Max.	OxyVinyls 1502
% Retained on 200 mesh	18.0 Max.	
% Retained on Pan	3.0 Max.	
Contamination (#/100gm)	16 Max.	OxyVinyls 1504
Residual Monomer (ppm)	1.0 Max.	OxyVinyls 1005
Porosity (ml/g)	0.30 – 0.40	OxyVinyls 1094
Apparent Bulk Density (g/ml)	0.480 – 0.560	OxyVinyls 1501
Flow Time (s)	12 Max.	OxyVinyls 1501
Powder Mix Time (s)	250 – 350	OxyVinyls 488
Gels (4'5' mill results)	10/4 Max.	OxyVinyls 1503
Color (CIELab L* Value)	98.50 Min.	OxyVinyls 1500
Color (CIELab a* Value)	-0.30 – +0.20	OxyVinyls 1500
Color (CIELab b* Value)	0.30 – 1.00	OxyVinyls 1500

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