



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	Typical Value	Specification Range	Test Method
Inherent Viscosity (dl/g)	1.07	1.05 – 1.09	OxyVinyls 1386
Relative Viscosity	2.45	2.42 – 2.50	Correlation
K Value	71	70 – 72	Correlation
Volatiles (%)	0.05	0.3 Max.	OxyVinyls 1242
Malvern Particle Size			
% Retained on 40 mesh	0.0	0.2 Max.	OxyVinyls 1505
% Retained on 60 mesh	0.9	2.0 Max.	OxyVinyls 1502
% Retained on 200 mesh	8.5	18.0 Max.	
% Retained on Pan	0.5	3.0 Max.	
Contamination (#/100gm)	3	16 Max.	OxyVinyls 1504
Residual Monomer (ppm)	0.1	1.0 Max.	OxyVinyls 1005
Porosity (cc/g)	0.341	0.300 – 0.400	OxyVinyls 1094
Apparent Bulk Density (g/cc)	0.523	0.480 – 0.560	OxyVinyls 1501
Flow Time (s)	8	12 Max.	OxyVinyls 1501
Powder Mix Time (s)	304	250 – 350	OxyVinyls 488
Gels (4' mill results)	4	10 Max.	OxyVinyls 1503
CAS Number	9002-86-2		

OxyVinyls, LP
Occidental Tower
5005 LBJ Freeway
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877-699-8465

Deer Park Plant
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