



OXYVINYLS® 450F

General Description

Type: Polyvinyl Chloride Homopolymer

Polymerization Process: Suspension

Appearance: White, free flowing powder

Features and Uses:

Flexible Film and Sheet
Low Gels and Contamination
Molding and Profile Extrusion Applications
Uniform Plasticizer Absorption
Wire and Cable Insulation
Excellent Color and Clarity

Resin Properties	Specification Range	Test Method
Inherent Viscosity (dl/g)	0.930 – 0.970	OxyVinyls 1386
K Value	66 – 67	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	3.0 Max.	OxyVinyls 1502
% Retained on 200 mesh	16.0 Max.	
% Retained on Pan	3.0 Max.	
Contamination (#/100gm)	12 Max.	OxyVinyls 1504
Residual Monomer (ppm)	1.0 Max.	OxyVinyls 1005
Porosity (cc/g)	0.30 – 0.36	OxyVinyls 1094
Apparent Bulk Density (g/cc)	0.480 – 0.570	OxyVinyls 1501
Flow Time (s)	12 Max.	OxyVinyls 1501
Powder Mix Time (s)	190 – 320	OxyVinyls 488
Gels (4/5 min. mill results)	10/4 Max.	OxyVinyls 1503
Color (CIELab L* Value)	98.50 – 100.0	OxyVinyls 1500
Color (CIELab a* Value)	-0.30 – +0.20	OxyVinyls 1500
Color (CIELab b* Value)	0.30 – 0.90	OxyVinyls 1500

Important: The information presented herein, while not guaranteed, was prepared by technical personnel and is true and accurate to the best of our knowledge. NO WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, OR WARRANTY OR GUARANTY OF ANY OTHER KIND, EXPRESS OR IMPLIED, IS MADE REGARDING PERFORMANCE, SAFETY, SUITABILITY, STABILITY OR OTHERWISE. This information is not intended to be all-inclusive as to the manner and conditions of use, handling, storage, disposal and other factors that may involve other or additional legal, environmental, safety or performance considerations, and Oxy Vinyls, LP assumes no liability whatsoever for the use of or reliance upon this information. While our technical personnel will be happy to respond to questions, safe handling and use of the product remains the responsibility of the customer. No suggestions for use are intended as, and nothing herein shall be construed as, a recommendation to infringe any existing patents or to violate any Federal, State, Local or Foreign laws.