



OxyVinyls[®] 255



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
Automotive Molding and Profile Applications Wire and Cable Insulation

Resin Properties	Typical Value	Specification Range	Test Method
Inherent Viscosity (dl/g)	1.12	1.10 – 1.15	OxyVinyls 1386
Relative Viscosity	2.55	2.51 – 2.61	Correlation
K Value	73	72 – 74	Correlation
Volatiles (%)	0.08	0.30 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	8.9	12.0 Max.	
% Retained on Pan	0.8	2.0 Max.	
Contamination (#/100gm)	4	15 Max.	OxyVinyls 1504
Residual Monomer (ppm)	0.07	4.0 Max.	OxyVinyls 1005
Powder Mix Time (s)	329	275 – 390	OxyVinyls 488
Gels (6' mill results)	10	12 Max.	OxyVinyls 1503
Apparent Bulk Density (g/cc)	0.461	0.440 – 0.520	OxyVinyls 1501
Flow Time (s)	8	12 Max.	OxyVinyls 1501
Color (CIELab b* -value)	0.95	0.25 – 1.40	OxyVinyls 1500
CAS Number	9002-86-2		

OxyVinyls, LP
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