OxyChem®

OXYVINYLS® 255

General Description

Type: Polyvinyl Chloride Homopolymer

Polymerization Process: Suspension

Appearance: White, free flowing powder

Features and Uses:
Medical & Food Grade Flexible Film & Sheet
Low Gels and Contamination
Medical & Food Grade Tubing & Molded Devices
Uniform Plasticizer Absorption
Automotive Molding and Profile Applications
Wire and Cable Insulation

Resin Properties	Specification Range	Test Method
Inherent Viscosity (dl/g)	1.100 – 1.150	OxyVinyls 1386
K Value	72 – 74	Correlation
Volatiles (%)	0.3 Max.	OxyVinyls 1242
Malvern Particle Size		
% Retained on 40 mesh	0.2 Max.	OxyVinyls 1505
% Retained on 60 mesh	2.0 Max.	OxyVinyls 1502
% Retained on 200 mesh	12.0 Max.	
% Retained on Pan	2.0 Max.	
Contamination (#/100gm)	15 Max.	OxyVinyls 1504
Residual Monomer (ppm)	4.0 Max.	OxyVinyls 1005
Porosity (cc/g)	0.30 – 0.38	OxyVinyls 1094
Apparent Bulk Density (g/cc)	0.440 – 0.520	OxyVinyls 1501
Flow Time (s)	12 Max.	OxyVinyls 1501
Powder Mix Time (s)	275 – 390	OxyVinyls 488
Gels (4/5 min. mill results)	30/15 Max.	OxyVinyls 1503
Color (CIELab L* Value)	98.00 – 100.0	OxyVinyls 1500
Color (CIELab a* Value)	-0.35 – +0.30	OxyVinyls 1500
Color (CIELab b* Value)	0.25 – 1.40	OxyVinyls 1500