

OXYVINYLs® 200F

General Description

Type: Polyvinyl Chloride Homopolymer

Polymerization Process: Suspension

Appearance: White, free flowing powder

Features and Uses:

Rigid and Flexible Profile Extrusion
 Low Gels and Contamination
 Medical and Food Grade Film and Sheet
 Uniform Plasticizer Absorption
 Medical and Food Grade Tubing and Molded Devices
 Extruded and Molded Foams
 Wire and Cable Insulation
 Calendered Goods

Resin Properties	Specification Range	Test Method
Inherent Viscosity (dl/g)	0.810 – 0.850	OxyVinyls 1386
K Value	61 – 62	Correlation
Volatiles (%)	0.3 Max.	OxyVinyls 1242
<u>Malvern Particle Size</u>		
% Retained on 40 mesh	0.5 Max.	OxyVinyls 1505
% Retained on 60 mesh	3.0 Max.	OxyVinyls 1502
% Retained on 200 mesh	18.0 Max.	
% Retained on Pan	3.0 Max.	
Contamination (#/100gm)	12 Max.	OxyVinyls 1504
Residual Monomer (ppm)	5.0 Max.	OxyVinyls 1005
Porosity (ml/g)	0.23 – 0.31	OxyVinyls 1094
Apparent Bulk Density (g/ml)	0.500 – 0.600	OxyVinyls 1501
Flow Time (s)	12 Max.	OxyVinyls 1501
Powder Mix Time (s)	250 – 450	OxyVinyls 488
Gels (4/5 min. mill results)	10/4 Max.	OxyVinyls 1503
Color (CIELab L* Value)	98.50 – 100.00	OxyVinyls 1500
Color (CIELab a* Value)	-0.30 – +0.20	OxyVinyls 1500
Color (CIELab b* Value)	0.30 – 0.90	OxyVinyls 1500

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