

## OXYVINYLS® 185

### General Description

Type: Polyvinyl Chloride Homopolymer

Polymerization Process: Suspension

Appearance: White, free flowing powder

### Features and Uses:

Injection molding, Pipe fittings  
Extrusion, clear film and sheet  
Calendering  
Rigid foam profiles  
Flooring  
Alloying  
Solution top coats

Resin Properties	Specification Range	Test Method
Inherent Viscosity (dl/g)	0.660 – 0.700	OxyVinyls 1386
K Value	55 – 57	Correlation
Volatiles (%)	0.4 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	50.0 Max.	
% Retained on Pan	12.0 Max.	
Contamination (#/100gm)	30 Max.	OxyVinyls 1504
Residual Monomer (ppm)	3.2 Max.	OxyVinyls 1005
Apparent Bulk Density (g/cc)	0.525 – 0.605	OxyVinyls 1501
Flow Time (s)	14 Max.	OxyVinyls 1501
Color (CIELab L* Value)	97.60 Min.	OxyVinyls 1500
Color (CIELab a* Value)	-0.40 – +0.70	OxyVinyls 1500
Color (CIELab b* Value)	0.50 – 2.80	OxyVinyls 1500

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