



# OxyVinyls<sup>®</sup> 185F



## 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	Low Gels and Contamination

Resin Properties	Typical Value	Specification Range	Test Method
Inherent Viscosity (dl/g)	0.674	0.660 – 0.700	OxyVinyls 1386
Relative Viscosity	1.81	1.78 – 1.85	Correlation
K Value	56	55 – 57	Correlation
Volatiles (%)	0.06	0.30 Max.	OxyVinyls 1242
Malvern Particle Size			
% Retained on 40 mesh	0.0	0.5 Max.	OxyVinyls 1505
% Retained on 60 mesh	1.0	3.0 Max.	OxyVinyls 1502
% Retained on 200 mesh	13.6	25.0 Max.	
% Retained on Pan	1.5	6.0 Max.	
Contamination (#/100gm)	2	10 Max.	OxyVinyls 1504
Residual Monomer (ppm)	0.1	1.0 Max.	OxyVinyls 1005
Apparent Bulk Density (g/cc)	0.559	0.525 – 0.605	OxyVinyls 1501
Flow Time (s)	8	14 Max.	OxyVinyls 1501
Gels (BEST Test)	3	10 Max.	OxyVinyls 1249
ASTM Cell Classification	GP1-16050		ASTM D 1755
CAS Number	9002-86-2		

## OxyVinyls, LP

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