

## OxyVinyls® 255

### General Description

Type: Polyvinyl Chloride Homopolymer  
 Polymerization Process: Suspension  
 Appearance: White, free flowing powder

### Features and Uses

High Strength Flexible Products  
 Rigid and Flexible Profile Extrusion Compounds  
 Wire and Cable Insulation Materials  
 Calendered Goods

Resin Properties	Typical Value	Specification Range	Test Method
Inherent Viscosity (dl/g)	1.12	1.10 - 1.15	OxyVinyls 893
Relative Viscosity	2.55	--	Correlation
"K" Value	73	--	Correlation
Volatiles (%)	0.08	0 - 0.3	OxyVinyls 1242
Malvern Particle Size			
% Retained on 40+60 mesh	3.3	0 - 10	OxyVinyls 1390
% Through 140 mesh	7.0	0 - 15	OxyVinyls 1390
% Retained on pan	3.7	0 - 7	OxyVinyls 1390
Dark specks (#/100gm)	4	0 - 9	OxyVinyls 1217
Residual Monomer (ppm)	0.03	0 - 8.5	OxyVinyls 1005
Porosity (cc/g)	0.34	0.30 - 0.38	OxyVinyls 1094
Powder Mix Time(s)	325	275 - 390	OxyVinyls 488
Fisheyes (6 minute mill results)	30	0 - 100	OxyVinyls 1233
Color (Pressed Pellet)			
b	1.03	1.4	OxyVinyls 1414
Apparent Bulk Density (g/cc)	0.475	0.44 - 0.52	OxyVinyls 690
ASTM Cell Classification	GP-6-16443	--	ASTM D 1755
CAS Number	9002-86-2		

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### Oxy Vinyls, LP

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