# OxyVinyls® 225

## General Description

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

## Features and Uses:

OxyVinyls®225 is a suspension resin designed for rigid applications. It is often converted into a wide range of pipe sizes and types, which meet the most stringent standards for water supply and distribution. Its medium molecular weight provides excellent processing characteristics in both single and multi-screw extruders. Typical Applications include irrigation, foam core, potable water, DWV/sewer pipe, electrical conduit and rigid profiles.

| Resin Properties | Specification Range | Test Method |
|---|---|---|
| Inherent Viscosity (dl/g) | 0.880 – 0.920 | OxyVinyls 1386 |
| Relative Viscosity | 2.12 – 2.19 | Correlation |
| K Value | 64 – 65 | Correlation |
| Volatiles (%) | 0.24 Max. | OxyVinyls 1242 |
| Malvern Particle Size | | |
| % Retained on 40 mesh | 0.5 Max. | OxyVinyls 1505 |
| % Retained on 60 mesh | 10.0 Max. | OxyVinyls 1502 |
| % Retained on 200 mesh | 15.0 Max. | |
| % Retained on Pan | 5.0 Max. | |
| Residual Monomer (ppm) | 3.2 Max. | OxyVinyls 1005 |
| Apparent Bulk Density (g/cc) | 0.515 – 0.575 | OxyVinyls 1501 |
| ASTM Cell Classification | GP4-16040 | ASTM D 1755 |
| CAS Number | 9002-86-2 | |


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