OxyChem®

# OXYVINYLS® 310

**General Description**

Type: Polyvinyl Chloride Homopolymer

Polymerization Process: Suspension

Appearance: White, free flowing powder

**Features and Uses:**
High Molecular Weight
Excellent Plasticizer Absorption and Dry-up
Useful for Calendered and Extruded Materials requiring High Strength, Abrasion Resistance, Fatigue Resistance, Grain Retention, Impact, Cut-through and Other Physical Properties.

| Resin Properties | Specification Range | Test Method |
|---|---|---|
| Inherent Viscosity (dl/g) | 1.390 – 1.430 | OxyVinyls 1386 |
| K Value | 82 – 83 | Correlation |
| Volatiles (%) | 0.3 Max. | OxyVinyls 1242 |
| Malvern Particle Size | | |
| % Retained on 40 mesh | 0.2 Max. | OxyVinyls 1505 |
| % Retained on 60 mesh | 4.0 Max. | OxyVinyls 1502 |
| % Retained on 200 mesh | 12.0 Max. | |
| % Retained on Pan | 2.0 Max. | |
| Contamination (#/100gm) | 15 Max. | OxyVinyls 1504 |
| Residual Monomer (ppm) | 2.0 Max. | OxyVinyls 1005 |
| Porosity (cc/g) | 0.32 – 0.40 | OxyVinyls 1094 |
| Apparent Bulk Density (g/cc) | 0.380 – 0.490 | OxyVinyls 1501 |
| Flow Time (s) | 20 Max. | OxyVinyls 1501 |