



OxyVinyls[®] 255F



General Description

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

Features and Uses:

Medical and Food Grade Flexible Film and Sheet Low Gels and Contamination
Medical and Food Grade Tubing and Molded Devices Uniform Plasticizer Absorption
Automotive Molding and Profile Applications Wire and Cable Insulation

Resin Properties

Specification Range

Test Method

| | | |
|------------------------------|---------------|----------------|
| Inherent Viscosity (dl/g) | 1.10 – 1.15 | OxyVinyls 1386 |
| Relative Viscosity | 2.51 – 2.61 | Correlation |
| K Value | 72 – 74 | Correlation |
| Volatiles (%) | 0.3 Max. | OxyVinyls 1242 |
| Malvern Particle Size | | |
| % Retained on 40 mesh | 0.2 Max. | OxyVinyls 1505 |
| % Retained on 60 mesh | 2.0 Max. | OxyVinyls 1502 |
| % Retained on 200 mesh | 12.0 Max. | |
| % Retained on Pan | 2.0 Max. | |
| Contamination (#/100gm) | 12 Max. | OxyVinyls 1504 |
| Residual Monomer (ppm) | 2.0 Max. | OxyVinyls 1005 |
| Powder Mix Time (s) | 275 – 390 | OxyVinyls 488 |
| Gels (5' mill results) | 10 Max. | OxyVinyls 1503 |
| Apparent Bulk Density (g/cc) | 0.440 – 0.520 | OxyVinyls 1501 |
| Flow Time (s) | 12 Max. | OxyVinyls 1501 |
| Color (CIELab b* -value) | 0.60 – 1.20 | OxyVinyls 1500 |

Oxy Vinyls, LP
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Pedricktown, NJ

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