



# OxyVinyls<sup>®</sup> 226F



## 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 |
| Wire and Cable Insulation                        | Drug Master File Listing       |
| Automotive Molding and Profile Applications      |                                |

| Resin Properties             | Typical Value | Specification Range | Test Method    |
|------------------------------|---------------|---------------------|----------------|
| Inherent Viscosity (dl/g)    | 0.950         | 0.930 – 0.970       | OxyVinyls 1386 |
| Relative Viscosity           | 2.24          | 2.20 – 2.28         | Correlation    |
| K Value                      | 67            | 66 – 67             | Correlation    |
| Volatiles (%)                | 0.05          | 0.3 Max.            | OxyVinyls 1242 |
| Malvern Particle Size        |               |                     |                |
| % Retained on 40 mesh        | 0.0           | 0.2 Max.            | OxyVinyls 1505 |
| % Retained on 60 mesh        | 0.9           | 3.0 Max.            | OxyVinyls 1502 |
| % Retained on 200 mesh       | 9.2           | 16.0 Max.           |                |
| % Retained on Pan            | 1.1           | 3.0 Max.            |                |
| Contamination (#/100gm)      | 6             | 12 Max.             | OxyVinyls 1504 |
| Residual Monomer (ppm)       | 0.03          | 1.0 Max.            | OxyVinyls 1005 |
| Porosity (cc/g)              | 0.316         | 0.30 – 0.36         | OxyVinyls 1094 |
| Apparent Bulk Density (g/cc) | 0.520         | 0.480 – 0.570       | OxyVinyls 1501 |
| Flow Time (s)                | 8             | 12 Max.             | OxyVinyls 1501 |
| Powder Mix Time (s)          | 252           | 190 – 320           | OxyVinyls 488  |
| Color (CIE Lab b*-value)     | 0.60          | 0.30 – 0.90         | OxyVinyls 1500 |
| Gels (4' mill results)       | 4             | 10 Max.             | OxyVinyls 1503 |
| CAS Number                   | 9002-86-2     |                     |                |

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