



## Technical Data Sheet

|                        |                              |
|------------------------|------------------------------|
| <b>MATERIAL:</b>       | Poly(vinyl acetate)          |
| <b>CATALOG NUMBER:</b> | 1019                         |
| <b>CAS NUMBER:</b>     | 9003-20-7                    |
| <b>DESCRIPTION:</b>    | Homopolymer of vinyl acetate |
| <b>FORMULA:</b>        | $(C_4H_6O_2)_x$              |

**TYPICAL PROPERTIES:**

|                        |   |
|------------------------|---|
| Appearance:            | Beads   |
| Approx Mw:             | 15,000 [GPC]  |
| Refractive index:      | $n_D^{20}$ 1.4665   |
| Inherent viscosity:    | 0.10  |
| Density:               | 1.17  |
| Glass transition temp: | 33°C  |
| Softening point:       | 70°C  |
| Solubility:            | Acetone, benzene, butyl acetate, carbon tetrachloride, chloroform, dichloroethylene, ethanol, ethyl acetate, methanol, MIBK, THF, toluene |

**GENERAL INFORMATION:**

Polyvinyl acetate is a thermoplastic material which is useful in a wide variety of coatings and adhesive applications. Some commercial applications include adhesives for packaging and labeling, in consumer adhesives such as white glues, in latex paints and in vinyl surface coatings. It is resistant to heat, light and to weak acid, alkaline and salt solutions and can be modified with plasticizers to control flexibility. Polyvinyl acetate is also used as a starting material for the preparation of polyvinyl alcohol, polyvinyl butyral and polyvinyl formal.

**STRUCTURE:**