

DuPont™ Elvanol® PVOH

IN AQUEOUS SOLUTIONS

Product Data Sheet

Description

Aqueous solutions of DuPont™ Elvanol® polyvinyl alcohol are a custom offering from DuPont. Many applications require Elvanol® polyvinyl alcohol to be used in solution. For the convenience of customers, DuPont provides a service of converting dry Elvanol® to a desired solution.

Aqueous solutions of DuPont™ Elvanol® polyvinyl alcohol are customizable and can be specified by grade and concentration. The lowest-viscosity grades of Elvanol® are available in concentrations up to 24%. Viscosity will limit solids of higher-viscosity grades.

The table (below) shows a few examples of existing grades of Elvanol® available as dispersions.

Note that dispersions of fully hydrolyzed grades of Elvanol® will increase in viscosity during storage. This viscosity increase is more rapid at high solids. Therefore, fully hydrolyzed grades are generally only supplied as liquids for immediate use in trials, and/or at reduced solids to slow the increase in viscosity.

Solutions of partially hydrolyzed polyvinyl alcohol do not increase in viscosity during storage and can be shipped and stored in bulk.

Typical Properties

Due to the customized nature of the offering only a sampling of possible products is listed in the table below.

Resin Characteristics

Due to the nature of the product offering, properties can vary. Please discuss your needs for a polyvinyl alcohol solution with a DuPont™ Elvanol® technical service representative. Dispersions of Elvanol® also contain defoamer and biocide to improve handling and storage.

Packaging: Dispersions of Elvanol® polyvinyl alcohol is available in bins containing approximately 2200 lbs. net. Some grades are also available in bulk, shipped by tank truck.

FDA Status

Due to the customized nature of these products, the U.S. FDA status for all possible grades cannot be defined in this data sheet. This information is dependent on the FDA status of the base Elvanol® resin. Please contact DuPont for information about specific grades.

Safe Handling

Read and understand the Material Safety Data Sheet (M/SDS) before using this product.

Elvanol® Grade	Elvanol® Base Resin	Wt% Solids	Viscosity when shipped (Cps)	pH	Wt / Gal (lbs)
20-25 L3	20-25	3-4	9-15	5-8	8.22-9.22
70-03 L12	70-03	12-13	20-50	5-8	8.3-8.9
52-22 L10	52-22	8.8-10.8	400-1000	5-8	8.3-8.9
51-04 L24	51-04DF	23-25	400-1000	5-8	8.62-9.02
51-03 L24	51-03	23-25	300-900	5-8	8.3-8.9



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