

SELVOL™ E 603 Polyvinyl Alcohol

DESCRIPTION

SELVOL™ E 603 is a low viscosity partially hydrolysed polyvinyl alcohol.

COMMERCIAL SPECIFICATIONS

IT 06-04-112 P

Test	Specification	Method	Internal Reference	International Reference
Viscosity ^(a) (cps)	3.0 – 4.0	Brookfield	IT 06-06-225 P	ISO 2555
Degree of Hydrolysis Mol %	78.5 – 82.0	Titration	IT 06-06-224 P	
Ash ^(b) Wt %	0.5 Max.	ISE	IT 06-06-200 P	
Volatile Wt %	5.0 Max.	Drying	IT 06-06-221 P	
pH ^(c)	4.5 – 6.5	Potentiometry	IT 06-06-226 P	ISO 976

(a) Of a 4% aqueous solution at 20°C (b) Expressed as Sodium Oxide (c) Of a 4% aqueous solution

GENERAL PROPERTIES

Appearance	Off white granular solid
Refractive Index $n_D^{20^\circ\text{C}}$	1.52 - 1.55
Specific gravity	1.27 - 1.31
Specific heat (J/g K)	1.65 - 1.67
Thermal conductivity (W/m C)	~2
Mean coefficient of thermal expansion at 0-45°C ($\times 10^{-5} / ^\circ\text{C}$)	7-10
Glass transition temperature ($^\circ\text{C}$)	58
Melting point ($^\circ\text{C}$)	180
Light stability	Excellent
Electrical resistivity ($\Omega \text{ cm} \times 10^7$)	3.1 - 3.8

PACKAGING

SELVOL™ E 603 can be made available in the following packaging:

- 25 Kg Antistatic Polyethylene bags palletised on CP1 pallets 1.25 TM (shrink wrapped or stretch wrapped) 4 way entry pallets.
- 500 Kg and 1000 Kg Polypropylene Rafia Big Bag palletised on 90 x 90 cm (stretch wrapped) 4 way entry pallets.
- Bulk transportation vehicles 20 - 25 TM Maximum.
- Other packaging may be available on request.

STORAGE

SELVOL™ E 603 Polyvinyl alcohol stored in dry conditions in his original packaging has a shelf life of five years.



TRANSPORT

Not regulated.

HEALTH, SAFETY , ENVIRONMENT

Please refer to the **SELVOL™** Material Safety Data Sheet for the product.

OTHER INFORMATION

- Customs Tarif No: 3905.3000.
- Polyvinyl alcohol is registered in the following inventories: AICS (Australia), CEPA DSL (Canada), TSCA (United States), MITI (Japan), AUSTRIA, CHINA, PHILIPPINES and SOUTH KOREA.
- CAS NUMBER: 25213-24-5

FOOD CONTACT STATUS

SELVOL™ E 603 conforms to various FDA and BfR regulations for use in food contact applications. The user should check the regulation corresponding to the proposed application, in order to verify that the **SELVOL™** grade to be used is within the specified limitations. For more details the user is invited to contact our customer service department.

North America

Sekisui Specialty Chemicals America, LLC
1501 LBJ Freeway, Suite 530
Dallas, TX 75234 USA
Tel: +1-972-277-2900
Fax: +1-972-277-2907

Europe

Sekisui Specialty Chemicals Europe, S.L.
Ctra. N-340, Km 1157
Apartado de Correos 1388
43080 Tarragona, Spain
Tel: + 34-977-549-899
Fax: + 34-977-544-982

www.sekisui-sc.com

To the best of our knowledge, the information contained herein is accurate. However Sekisui assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material and whether there is any infringement of patents is the sole responsibility of the user. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards may be described in this publication, we cannot guarantee that these are the only hazards that exist. Users of any chemical should satisfy themselves by independent investigation of current scientific and medical knowledge that the material can be used safely. In addition, no certification or claim is made as to the status, under any law or regulation, including but not limited to the Toxic Substances Control Act of either the chemicals discussed above or any subsequent polymerization or reaction products that result from a formulation containing them.