



SELVOL™ E 8/88 Polyvinyl Alcohol

DESCRIPTION

SELVOL™ E 8/88 is a low viscosity partially hydrolysed polyvinyl alcohol which finds applications principally in the Adhesives, Paper and Textile industries.

COMMERCIAL SPECIFICATIONS

IT 06-04-101 P

Test	Specification	Method	Internal Reference	International Reference
Viscosity ^(a) (cps)	7.0 - 9.0	Brookfield	IT 06-06-225 P	ISO 2555
Degree of Hydrolysis Mol %	87.0 - 89.0	Titration	IT 06-06-224 P	
Ash ^(b) Wt %	0.7 Max.	ISE	IT 06-06-200 P	
Volatile Wt %	5.0 Max.	Drying	IT 06-06-221 P	
Methanol Wt%	0,9 Max	GC-HS	IT 06-06-217 P	
VOC Wt%	1,0 Max	GC-HS	IT 06-06-217 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 Powder white to ivory coloured
Refractive Index $n_D^{20^\circ C}$ 1.52 - 1.53
Specific gravity 1.23 - 1.30
Specific heat (J/g K) 1.3
Mean coefficient of thermal conductivity (W/m C) 0.23
Mean coefficient of thermal expansion at 0-45°C ($\times 10^{-5} / ^\circ C$) 7-8
Glass transition temperature ($^\circ C$) > 80

APPLICATIONS

Adhesives: PVAc Emulsions for wood, paper, packaging and building; Remoistenables.

Paper: Pigment coating; Carbonless paper; Thermal paper.

Textiles: Spun yarn sizing for synthetic fibres; Filament yarn sizing; Printing.

Others: Ceramics binder and coating; Protective strip coatings; Mould release polyester / silicone; Temporary binder for powders; Water soluble films.

PACKAGING

SELVOL™ E 8/88 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 8/88 Polyvinyl alcohol is stable over a long period of storage under dry conditions.

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 8/88 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.

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