

Potassium water glass

General description: Potassium water glass is a pure or slightly turbid viscose liquid of greyish or pinkish colour, of alkaline reaction, freely mixable with water.

Qualitative parameters of the product:

Kind of water glass:

	DVS 1,7	DVS 2,5 B	DVS 3,0 A	DVS 3,0 BA
Content of K ₂ O min. % wght.	26,0-26,5	8,7-8,9	12	14
Content of SiO ₂ min. % wght.	28,2-29	13,7-14,4	24	25,5
Dry mass min. % wght.	54,2-55,75	22,4-23,3	36	39,5
Molar ratio SiO₂/K₂O	1,67 - 1,73	2,4 - 2,6	3,0 - 3,2	2,78 – 2,87
Density min. kg.m⁻³	1650-1670	1180 - 1240	1350	1400
°Bé	51 - 53		37 - 38	42
Viscosity mPa.s	110-230		25 - 35	45 - 55

	DVS 3,2-3,4	DVS 3,7 A	DVS 3,8-4,1 A
Content of K ₂ O min. % wght.	12,5	8,5	7,3
Content of SiO ₂ min. % wght.	27	20,3	19
Dry mass min. % wght.	min 39,5	28,8	26,3
Molar ratio SiO₂/K₂O	3,2 - 3,4	3,65 - 3,75	3,8 - 4,1
Density min. kg.m⁻³	min. 1350	1255	1240
°Bé	40	29 - 30	28 – 29
Viscosity mPa.s		8 - 12	15 – 25

Packing: Steel or plastic barrels (200 l), IBC container (1 000 l), in bulk or in tank cars or tank trucks.

Applications: For the production of special disinfectants and degreasing agents, as a filling into alkaline storage batteries, as a binder into a special fire-resistant walling. For the production of silicate-based facade coating materials.

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Storage: Transport and store at the temperature above 0 °C.

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