Bi-Bung

An innovative concept of bung to allow the Reduction of contamination during barrel ageing

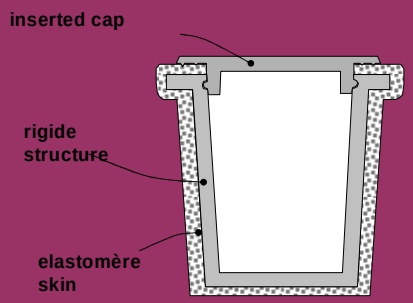
Variation of haloanisole component in wine between Bi-Bung and Silicon Bung

Haloanisoles Bung types	TCA •ng.L^{-1}	TeCA •ng.L^{-1}	PCA •ng.L^{-1}	TBA •ng.L^{-1}
Silicon 1	3,2	nd*	0,7	0,5
Silicon 2	2,4	nd*	0,9	0,6
Silicon 3	1,3	nd*	0,8	nd*
Moy. Silicon	***2,3***	***nd****	***0,8***	***0,36***
Bi Bung 1	0,8	nd*	0,9	nd*
Bi Bung 2	0,8	nd*	0,8	nd*
Bi Bung 3	0,7	nd*	0,8	nd*
Moy. Bi Bung	***0,77***	***nd****	***0,83***	***nd****

nd: not detected*

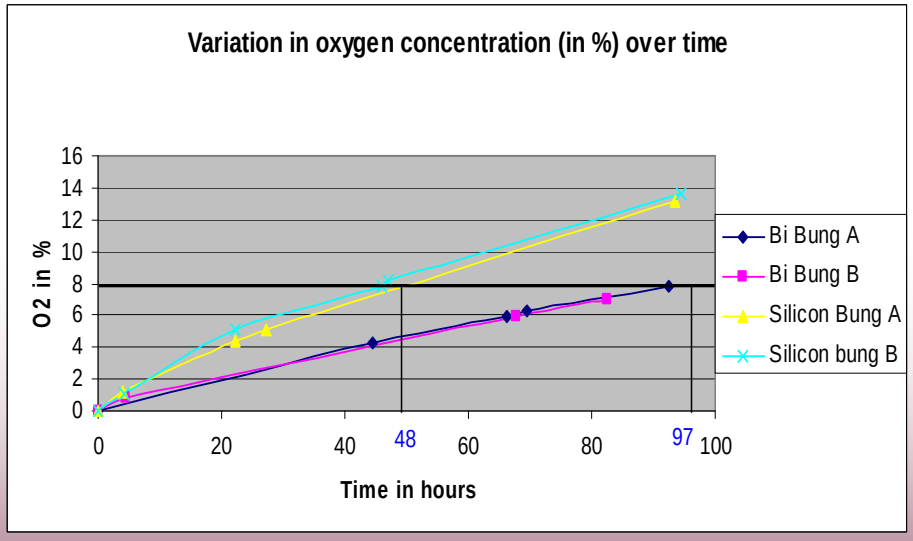
Bi Bung is a bung made by injecting two thermoplastic materials:

- a thermoplastic providing the structure of the bung and ensuring its rigidity
- a supple elastomer super-injected over the outer surface of the bung structure, ensuring its tight sealing with the rim of the barrel hole



Conclusion:

A Bi Bung exposed to a TCA contaminated environment releases on average 3 times fewer contaminating molecules than an equivalent silicon bung. The values measured on silicon bungs are very heterogenous. The inertia levels recorded for the Bi Bung are 3 or 4 times higher.



Results:

Two series of measurements are carried out with the Bi Bungs and two series with the silicon bungs. The changing values of oxygen concentration are displayed in the graphic below.

Those Bungs are available by contacting Oeno Prod – B.P 16 – 69460 Saint Etienne des Oullières – FRANCE – Tel:+33 474 03 46 84 or contact@oenoprod.com