



If it is desired to use a set of BoronPlus or PhosPlus sources at a significantly higher or lower predeposition temperature (generally, more than about 50°C), the aging cycle should be repeated at the new temperature. This will establish a different B₂O₃ concentration gradient within the BoronPlus sources that is characteristic of the new temperature. Repeating the aging cycle for the PhosPlus sources also insures that they are evolving P₂O₅ at a constant rate characteristic of the new temperature of use.

Conclusion

Aging is a necessary and important step in the preparation of the dopant sources for use in production. The suggestions in this bulletin will help to insure that the optimum performance of the sources will be obtained in the production of semiconductor devices.

For more information on this Product Bulletin or on the BoronPlus and PhosPlus dopant sources, contact the Planar Dopants Team: www.techneglas.com

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