

Re: Carbonia(!): fake or reality?

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- *From:* Marvin <physchem@xxxxxxxxxxx>
 - *Date:* Wed, 21 Jun 2006 11:45:30 -0400
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Angelo wrote:

Hi all,

pls have a look at this link:

<http://physicsweb.org/articles/news/10/6/7/1?rss=2.0>

at the specified p and T it seems to be stable the analogous form of alpha-silica with carbon instead of silicon.

What do you think about?

Should that be stable against hydrolysis by moisture?

If not, should a diamond film deposition on its surface be feasible, 'cause if yes it may help an overall stabilization of that material, preserving its main optical properties?

Could in your opinion a a suited monocrystal be obtained and, if so in a pure enantiomeric form?

Best regards, Angelo

It is only stable at extremely high pressure, which makes it impractical for almost all potential uses.