
How does the redox affect structure and properties? Implication for glass industry

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Abstract

The first two presentations focused on the structure and properties of glasses and liquids, but what occurs at high temperatures in a furnace or a volcano?
During a period of energy transition, how does the transition from gas to electric or hydrogen furnaces affect the high-temperature properties within a furnace? How do factors such as pressure, temperature and oxygen fugacity influence the conditions of melting and annealing, and how do they affect the properties of the final product?

In this presentation, we will discuss the variability of oxygen fugacity within furnaces, and explores its potential influence on high-temperature properties?

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