

FactSage @ SCHOTT

- Chemical Interaction Along the Process Line of Glass Production

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Abstract

SCHOTT AG is a company with over 15 thousand employees in over 41 countries with a broad product portfolio, mainly speciality glass and glass ceramics. All of the materials, which are processed within this portfolio, have designed properties and tailored chemistry. One tool to develop and describe the chemistry of the materials and the linked processes is FactSage.

Within this presentation the following examples are shown. Liquid-liquid phase separation, redox reactions in glass melts, and contact reactions of glass with noble metals. The question of the influence of impurities on the float glass process is raised shortly.

The current development subjects are discussed and future topics are listed.