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Abstract



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In a known process for the production of opaque quartz glass a blank is formed from synthetic SiO_2 granulate and is heated at a vitrification temperature to form a body of opaque quartz glass. In order to provide on this basis a process for the production of pure opaque quartz glass with a homogenous pore distribution, high density, high viscosity and a low tendency to devitrify, it is proposed according to the invention that the SiO_2 granulate to be used is a SiO_2 granulate (21; 31) composed of at least partially porous agglomerates of SiO_2 primary particles, with a specific BET surface ranging from $1.5 \text{ m}^2/\text{g}$ to $40 \text{ m}^2/\text{g}$ and an apparent density of at least 0.8 g/cm^3 . A SiO_2 granulate (21; 31) suitable for the implementation of the process is distinguished in that it is formed from at least partially porous agglomerates of SiO_2 primary particles and in that it has a specific BET surface ranging from $1.5 \text{ m}^2/\text{g}$ to $40 \text{ m}^2/\text{g}$ and an apparent density of at least 0.6 g/cm^3 .

(Fig.2)