

### عنوان مقاله:

THE COMPARISON OF MECHANICAL PROPERTIES OF SINTERED ? . QUARTZ SOLID SOLUTION AND GAHNITE  
GLASS – CERAMICS IN ZNO-AL<sub>2</sub>O<sub>3</sub>-SIO<sub>2</sub> SYSTEM

### محل انتشار:

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تعداد صفحات اصل مقاله: 0

### نویسندگان:

.EFTEKHARI-YEKTA B

.MARGHUSSIAN V.K

### خلاصه مقاله:

The effect of precipitation of ? .qss. and gahnite phases during heat treatment of glass frits in the ZnO-Al<sub>2</sub>O<sub>3</sub>-SiO<sub>2</sub> system on the mechanical property of resulting glass-ceramic specimens were investigated. It was shown that gahnite glass-ceramics had higher bend strength and toughness values than ? .qss. ones. The results are attributed to the higher modulus of elasticity as well as higher thermal expansion coefficient of gahnite relative to the residual glass .phase

### کلمات کلیدی:

Mechanical properties, ? . qss., Gahnite, Glass, Ceramics

### لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1723434>

