

smart press

pastillas disilicato de litio

INGREDIENT

SiO ₂	60 ± 5%
Li ₂ O	20 ± 5%
Al ₂ O ₃	7 ± 5%
K ₂ O	7 ± 5%
Other Oxide	5 ± 5%

TECHNICAL DATA

CTE (100 - 400 °C) 10 ⁻⁶ /K	10.2
Flexural Strength MPa	360
Fracture Toughness MPa m ^{0.5}	2.75
Elasticity Modulus GPa	95
Vickers Hardness MPa	5800
Chemical Solubility µg/cm ²	40

INTEND USE

Veneers / Inlays / Onlays / Partial Crown /
Crown / Bridge (Max. 3 unit)

SINTERING CURVE

Start Temp.	Rate	Final Temp.	Holding Time	Continuous Stress	Stress Level
700 °C	60 °C / min	930 °C	15 min	Auto 1	5