

PRESS/CADCAM LITHIUM DISILICATE

HONCHON SMILE BRINGS EVERY
BRIGHT SMILE FOR YOU



Changsha Honchon Technology Co., Ltd
www.honchon.com
Email: info@honchon.com
Address: International industry park, HN province, 410207, China

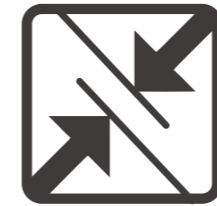


LITHIUM DISILICATE CAD/CAM MATERIAL



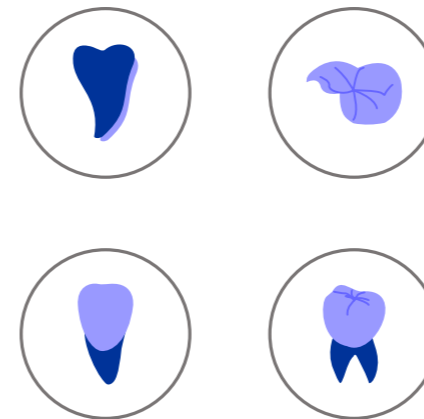
Advantages

- Easy to cut and Prolonging the life of the burs
- Excellent Mechanical Strength
- Brilliant Aesthetics with Super High Translucency
- Chairside Instant Restoration



STRENGTH
400MPa

• Indications



• Physical Characteristics

Density	2.4-2.7g/cm ³
CTE(25-500°C)	(8.5-11)×10 ⁻⁶ K ⁻¹
Vickers hardness	5400±400MPa
Chemical solubility after sintering	< 100µg/cm ²
Crystallization temperature	840-850°C

• Chemical Composition

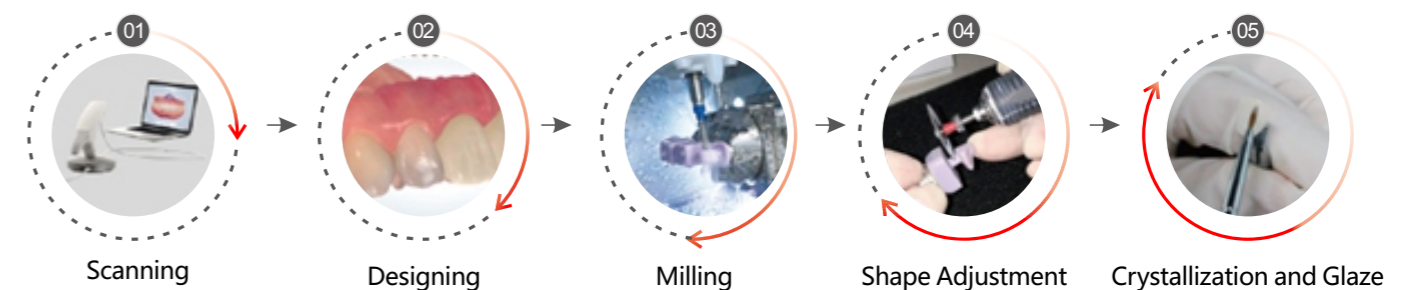
SiO ₂	58.5%-72.5%
Li ₂ O	13%-15%
K ₂ O	3%-5%
Others oxides	7.5%-25%

SHADES	A1	A2	A3	A3.5	A4	B1	B2	B3	B4	C1	C2	C3	C4	D2	D3	D4	BL1	BL2	BL3	BL4
HT 18*15*13	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
LT 18*15*13	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
HT 40*15*15	•	•	•			•														
LT 40*15*15	•	•	•			•														

• Please strictly follow the calcining curve

The initial temperature	The drying time	Heating rate	The highest temperature	Hold time	The final temperature
450°C	4min	40°C/min	840°C	6min or 2min	300°C

• Process

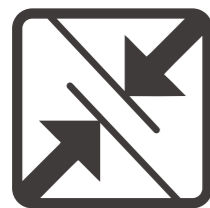


PRESSING MATERIAL



Advantages

- Excellent All Ceramics Esthetic Restoration
- Natural Lifelike Color



STRENGTH
400MPa

Physical Characteristics

Density	2.4-2.6g/cm ³
CTE(25-500°C)	(8.5-11)×10 ⁻⁶ K ⁻¹
Vickers hardness	5400±400MPa
Chemical solubility after sintering	< 100µg/cm ²
Pressing temperature	910-920°C

Chemical Composition

SiO ₂	58.5%-72.5%
Li ₂ O	13%-15%
K ₂ O	3%-5%
Others oxides	7.5%-25%

Indications



SHADES	A1	A2	A3	A3.5	B1	B2	C1	C2	BL1	BL2	BL3	BL4	M01	M02
HT D13-10	•	•	•		•	•	•		•	•	•	•		
LT D13-10	•	•	•		•	•	•	•	•	•	•	•		
MOD13-10													•	

Recommended pressing procedures are as follows

Press item	Investment ring system	B °C	t °C/min	T °C	H min	E µm/min
LT / MO	100g	700	60	913	15	250
HT	100g	700	60	910	15	250

Process

