Specification

Applied for		Available shade	Size	Package
 UP.PRESS	HT	A1/A2/A3/B1/B2/C1/BL1/BL2	D13*10	10pcs/box
	LT	A1/A2/A3/B1/B2/C1/C2/BL1/BL2	D13*10	10pcs/box
	MO	MO1	D13*10	10pcs/box
 UP.CAD	HT	A1/A2/A3/A3.5/B1/B2 BL1/BL2	18*15*13	5pcs/box
			40*15*15	4pcs/box
	LT	A1/A2/A3/A3.5/B1/B2 C1/C2/D2/BL1/BL2	18*15*13	5pcs/box
			40*15*15	4pcs/box

Certification

CE

ISO13485

FDA

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UPCERA

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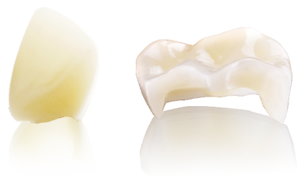
UPCERA

Lithium disilicate glass ceramics

UP.PRESS

Features:

- Suitable for dental press system
- Natural tooth looking



Chemical Composition

SiO_2	58.5 ~ 72.5%
Li_2O	13 ~ 15%
K_2O	3 ~ 5%
Others oxides	7.5% ~ 25%

Technical Parameters

Density	2.4 ~ 2.6 g/cm^3
CTE (25-500℃)	(8.5-11.0)×10^{-6}K^{-1}
Biaxial flexural strength after sintering	400±60 Mpa
Vickers hardness	5800±400 Mpa
Chemical solubility after sintering	< 100μg/cm^2
Press Temperature	910~920℃

Biological Properties

Cytotoxicity test	Level 0
Short-term Tests for systemic toxicity(oral route)	None
Anaphylaxis test	None
Hemolysis test	< 5%
Ames Testing	Mutation negative
Oral mucosal irritation test	None

Indications

Translucency		High Transluceny (HT A1)	Low Transluceny (LT A1)	Medium Opacity (MO 0)	High Opacity (HO 0)
		← CR			
Processing technique	Staining technique	●	●		
	Cut-back technique	●	●		
	Layering technique			●	●
Indications	Thin veneer	✓	✓		
	Veneer	✓	✓		
	Inlay	✓	✓▲		
	Onlay	✓	✓▲		
	Partial crown	✓	✓		
	Anterior Crown	✓	✓	✓	✓
	Posterior Crown	✓	✓	✓	✓

▲ Inlay and onlay can be made by LT block according to the patient's natural translucency of teeth

UP.CAD

Features:

- Suitable for dental CAD/CAM system &Chair-side system
- Simple & easy operation

Chemical Composition

SiO_2	58.5%~72.5%
Li_2O	13%~15%
K_2O	3%~5%
Others oxides	7.5%~25%

Technical Parameters

Density	2.3 ~ 2.6 g/cm^3
CTE (25-500℃)	(8.5-11.0)×10^{-6}K^{-1}
Biaxial flexural strength after sintering	400±60 Mpa
Vickers hardness	5400±400 Mpa
Chemical solubility after sintering	< 100μg/cm^2
Crystallization Temperature	840~850℃

Biological Properties

Cytotoxicity test	Level 0
Short-term Tests for systemic toxicity(oral route)	None
Anaphylaxis test	None
Hemolysis test	< 5%
Ames Testing	Mutation negative
Oral mucosal irritation test	None

Indications

Translucency		High Transluceny (HT VA3)	Low Transluceny (LT VA2)	Medium Opacity (MO V2)	High Opacity (HO V1)
		← CR			
Processing technique	Staining technique	●	●		
	Cut-back technique	●	●		
	Layering technique			●	●
Indications	Thin veneer	✓▲	✓▲		
	Veneer	✓	✓		
	Inlay	✓	✓▲		
	Onlay	✓	✓▲		
	Partial crown	✓	✓		
	Anterior Crown	✓	✓	✓	✓
	Posterior Crown	✓	✓	✓	✓

▲ Veneer thickness made by milling machine should be 0.6-0.7mm, while by hand grinding should be below 0.5mm.
▲ Inlay and onlay can be made by LT block according to the patient's natural translucency of teeth