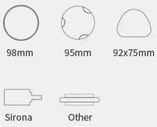
Incisal layer
5Y-TZP
53% Translucency 700 MPa

Cervical layer
4Y-TZP
43% Translucency 1050 MPa

Shade and dimension

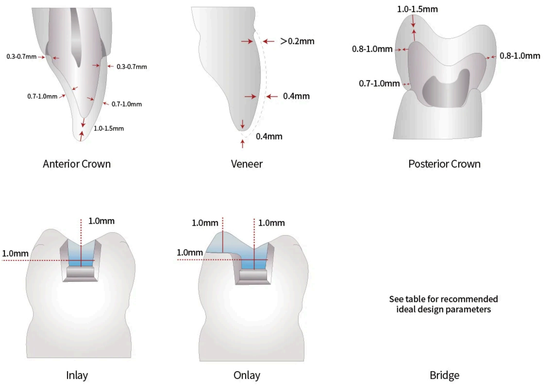
Material parameters and use system

Color	Vita 16 colors/OM1/OM2/OM3
Aesthetic	Super high translucency
Sintered density	≥6.0g/cm³
Bending strength	Cervical part 1050MPa
Fracture toughness	5Mpam$^{0.5}$
Hardness (Hv10)	1250



Indications for use

Ideal design and preparation guidance



Digital work flow

Aizir is one incredible material, which can be used in the above systems, but it is also part of an entire digital workflow. From the initial intraoral scan right through to the final restoration, Aidite have validated workflows with equipment and materials for the whole process. Faster production times, higher quality, full technical and engineering support, through our dealers and ourselves, 24/7 worldwide. With SHTPM, you are not just purchasing any ordinary zirconia disc, but investing in a part of a wider dedicated system, benefitting the whole dental team and their patients. Dentists are requesting a SHTPM restoration, once they see the difference.

Sintering curve

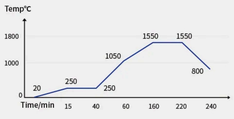
2 hours fast sintering cycle

Single unit& Bridge up to 3 units

Start temp	Phase 1 heating rate	Phase 1 Maximum temp	Phase 2 heating rate	Phase 2 Maximum temp	Holding time	Cooling rate	Cooling to
20℃	43℃/min	1200℃	10℃/min	1550℃	55min	55℃/min	900℃

4-6 units

Start temp	Phase 1 heating rate	Phase 1 Maximum temp	Holding time	Phase 2 heating rate	Phase 2 Maximum temp	Phase 3 heating rate	Phase 3 Maximum temp	Holding time	Cooling rate	Cooling to
20℃	16℃/min	250℃	25min	40℃/min	1050℃	5℃/min	1550℃	60min	38℃/min	800℃



7 units and above

Start temp	Phase 1 heating rate	Phase 1 Maximum temp	Holding time	Phase 2 heating rate	Phase 2 Maximum temp	Holding time	Phase 3 Maximum temp	Phase 3 heating rate	Holding time	Cooling rate	Cooling to
20℃	16℃/min	250℃	25min	7℃/min	900℃	30min	3℃/min	1530℃	120min	8℃/min	300℃