Aconia® HT+

More Than Stronger

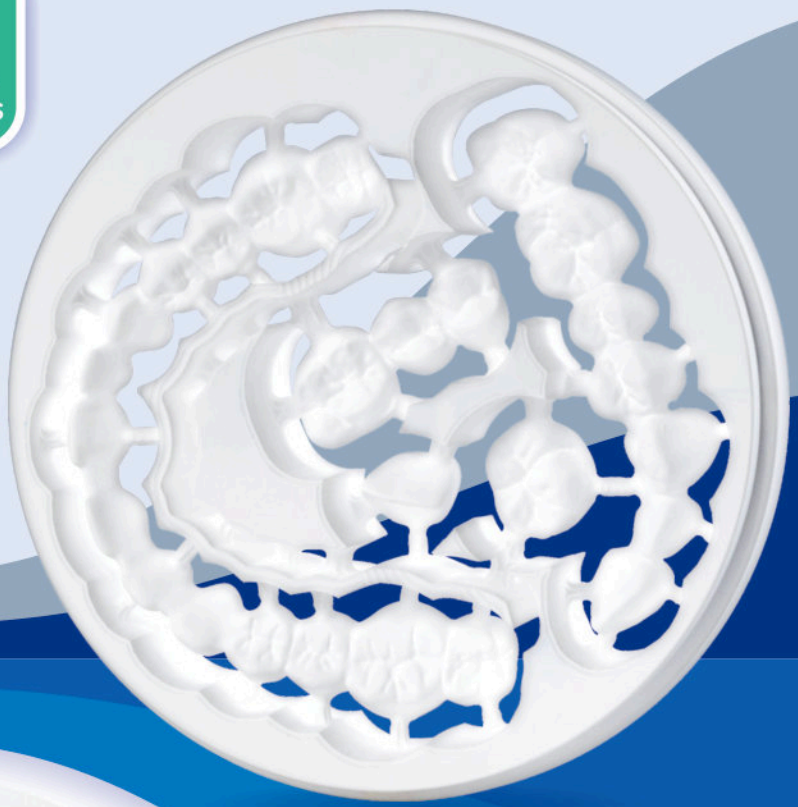
Stronger

Toughness

Fracture Toughness
> 9 MPa.m$^{1/2}$

Translucency
42%

Flexural Strength
1400 MPa



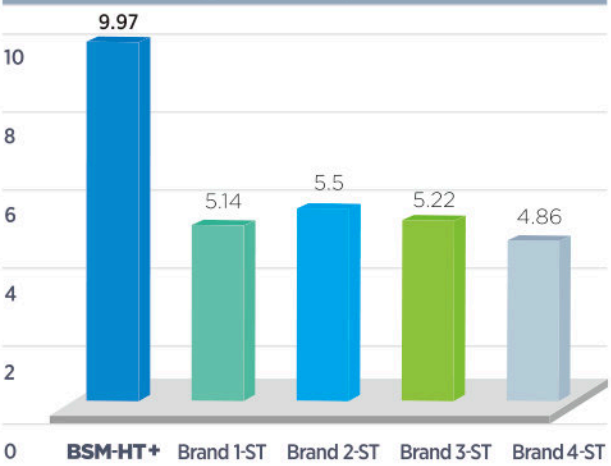


- ✓ Easy processing
- ✓ Lowering zirconia remakes
- ✓ High tolerance on tooth preparation

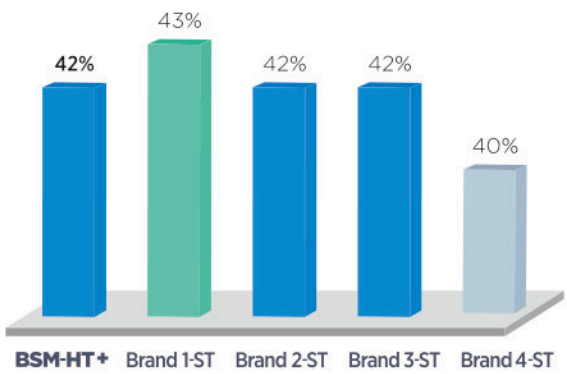
Why HT+ ?

Comparison results with relevant brands based on 2-year experiment

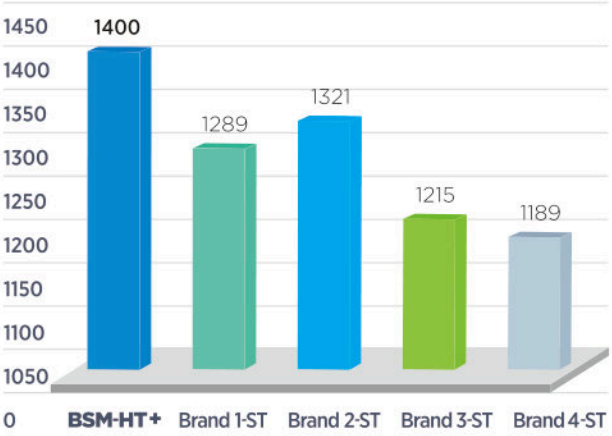
Fracture Toughness Comparison (MPa-M$^{1/2}$)



Translucency Comparison



Flexural Strength Comparison (MPa)

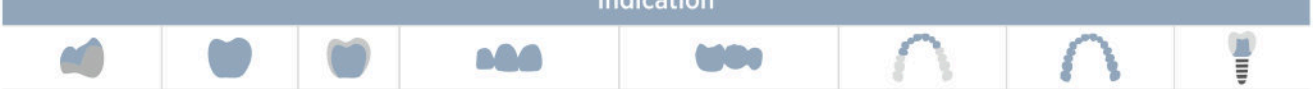


ST: Popular brands on the market

Technical Data

Flexural strength(3-point)	1400±100 (MPa)
Translucency	42%
Vickers-hardness	1300±5% (HV10)
Density	>3 (g/cm^3)
Sintered Density	>6.02 (g/cm^3)
Chemical solubility	<50(μg/cm^3)
Radioactivity	<0.1/Bq.g^{-1}
Fracture toughness	>9/(MPa.m$^{1/2}$)
CTE	(10.5±0.5)*10^{-6}K^{-1}

Indication



Inlay & Onlay	Full contour crown	Coping	Full contour anterior bridge(3unit)	Full contour posterior bridge(3 unit)	Full contour bridge(≤7unit)	Full contour bridge(≤14unit)	Abutment

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