**PHYSICAL PROPERTIES**

- **Compressive Strength**: 472MPa
- **Flexural Strength**: 191MPa
- **Flexural Modulus**: 9.6GPa
- **Depth of Wear**: 25.8µm
- **Surface roughness after toothbrush wear**: 0.18µm
- **Vickers Hardness**: 66Hv0.2
- **Gloss Value after polishing**: 75%
- **Contrast Ratio**: 0.60 (A3-LT)
- **Opal Index**: 10.1 (A3-LT)
- **Stain Resistance (rhodamin 1 day ∆E)**: 8.1

**OUTSTANDING WEAR RESISTANCE**

Food and drinks discolor both natural dentition and composite restorations. Shofu Block & Disk HC has proven to demonstrate higher resistance to staining and better gloss retention as compared to other CAD/CAM materials.

**EXCELLENT COLOR STABILITY**

Shofu Block & Disk HC innovative microstructure creates a smooth and durable surface finish. A natural glass can be achieved with a few intermediary steps.

**REMARKABLE HIGH GLOSS FINISH**

Shofu Block & Disk HC™ CAD/CAM Block Storage, Organizer & Display. Holds 100 blocks. Fits all brands* • Wall mount or store in drawers

**COMPLEMENTARY PRODUCTS**

- Dura Polish Polishing Paste, 20g
- Dura Polish DIA Polishing Paste, 5g
- HC Primer, 5mL
- MonoCem, (2) 3.5g
- ResiCem, (2) 5mL
- Bleach White, (2) 5mL

**VISIT** www.shofu.com or call 800.827.4638

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*With the exception of PlanMill or PrograMill blocks Trademarks belong to their manufacturers.
Intended to provide clinicians with the capability of restoring teeth in a single appointment, Shofu Block & Disk HC represents a new generation of CAD/CAM composites. This innovative material features a formulation designed to minimize flaws attributed to conventional ceramics.

Composed of 61% zirconium silicate, a densely packed nanofiller of Shofu Block & Disk HC forms a skeleton which uniformly absorbs arbitrary forces and promotes resistance to breakdown phenomena. When compared to other CAD/CAM materials, Shofu Block & Disk HC manifests better machinability in terms of milling time, damage tolerance, wear of milling instruments, and the ability to be fabricated in a very low thickness. The high flexural strength of 191 MPa and Vickers hardness of 66 make it a good candidate for both anterior and posterior restorations, implant-supported cases, and long-term provisions. Additionally, the hardness of the material also demonstrates values closer to dentin, thus no excessive antagonist wear can be observed, which is a concern when using aesthetic and conventional ceramics.

The high flexural strength of 191 MPa and Vickers hardness of 66 make Shofu Block & Disk HC a good candidate for both anterior and posterior restorations, implant-supported cases, and long-term provisions. Additionally, the hardness of the material also demonstrates values closer to dentin, thus no excessive antagonist wear can be observed, which is a concern when using aesthetic and conventional ceramics.

Dentin-like light transmission makes this optimally balanced hybrid ceramic ideal for the production of highly aesthetic anterior restorations. Thanks to its excellent physical properties, it can also be used to create posterior restorations, absorbing occlusal stress and providing high-edge stability.

With superior flexural strength and low flexural modulus, the material has excellent capability to diffuse stress, making it an ideal alternative to lithium disilicate and zirconia.

Shofu Block & Disk HC is milled quickly and precisely and polished to a high gloss in a very short time, and the restoration can be cemented or screw-retained immediately.

The optical properties of Shofu Blocks & Disks HC demonstrate the transparency and light diffusion of natural teeth and blend with the surrounding tissue with ease. The proprietary microarc-etching of the material supports high wear resistance and superior gloss retention allowing for a broad range of indications.

Shofu CAD/CAM composites, Blocks & Disks HC, are manufactured in one- and two-layer blocks and disks. They are available in common tooth shades and translucencies, based on the VITA® Classical shade system.

The Two-Layer Shofu Blocks HC efficiently create aesthetically pleasing anterior and posterior restorations. The bilayered blocks are modeled after the layering of natural teeth with achromatic opalescent dentin layer and a translucent layer of enamel. Effortlessly achieve consistent and accurate shade matching while reducing chairside time and treatment cost.

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Intended to provide clinicians with the capability of restoring teeth in a single appointment, Shofu Block & Disk HC represents a new generation of CAD/CAM composites. This innovative material features a formulation designed to minimize flaws attributed to conventional ceramics. Composed of 61% zirconium silicate, a densely packed nanofiller of Shofu Block & Disk HC forms a skeleton which uniformly absorbs mandibular forces and promotes resistance to breakdown phenomena. When compared to other CAD/CAM materials, Shofu Block & Disk HC manifests better machinability in terms of milling time, damage tolerance, wear of milling instruments, and the ability to be fabricated in a very low thickness. The high flexural strength of 191 MPa and Vickers hardness of 66HV0.2 make Shofu Block & Disk HC a good candidate for both anterior and posterior restorations, implant-supported cases, and long-term provisionals. Additionally, the hardness of the material also demonstrates values closer to dentin, thus no excessive antagonist wear can be observed, which is a concern when using aesthetic and high-strength ceramics.

The bilayered blocks are modeled after the layering aesthetics of natural dentition, reestablishing the enamel layer and anterior crowns for inlay/onlay and veneer cases. Enamel reestablishes the enamel layer and anterior crowns for inlay/onlay and veneer cases. Effortlessly achieve consistent and accurate shade matching while reducing chairside time and treatment cost.

Dentin-like light transmission makes this optimally balanced hybrid ceramic ideal for the production of highly aesthetic anterior restorations. Thanks to its excellent physical properties, it can also be used to create posterior restorations, absorbing occlusal stress and providing high-edge stability. With superior flexural strength and low flexural modulus, the material has excellent capability to diffuse stress, making it an ideal alternative to lithium disilicate and zirconia.

Shofu Block & Disk HC is milled quickly and precisely and polished to a high gloss in a very short time, and the restoration can be cemented or screw-retained immediately. The high flexural strength of 191 MPa and Vickers hardness of 66HV0.2 make Shofu Block & Disk HC a good candidate for both anterior and posterior restorations, implant-supported cases, and long-term provisionals. Additionally, the hardness of the material also demonstrates values closer to dentin, thus no excessive antagonist wear can be observed, which is a concern when using aesthetic and high-strength ceramics.

The Two-Layer Shofu Blocks HC efficiently create aesthetically pleasing anterior and posterior restorations. The bilayered blocks are modeled after the layering of natural teeth with a chromatonic opaque dentine layer and a translucent layer of enamel. Effortlessly achieve consistent and accurate shade matching while reducing chairside time and treatment cost.

The two-layer block is intended to provide clinicians with the capability of restoring teeth in a single appointment. Shofu Block & Disk HC represents a new generation of CAD/CAM composites. This innovative material features a formulation designed to minimize flaws attributed to conventional ceramics. Composed of 61% zirconium silicate, a densely packed nanofiller of Shofu Block & Disk HC forms a skeleton which uniformly absorbs mandibular forces and promotes resistance to breakdown phenomena. When compared to other CAD/CAM materials, Shofu Block & Disk HC manifests better machinability in terms of milling time, damage tolerance, wear of milling instruments, and the ability to be fabricated in a very low thickness. The high flexural strength of 191 MPa and Vickers hardness of 66HV0.2 make Shofu Block & Disk HC a good candidate for both anterior and posterior restorations, implant-supported cases, and long-term provisionals. Additionally, the hardness of the material also demonstrates values closer to dentin, thus no excessive antagonist wear can be observed, which is a concern when using aesthetic and high-strength ceramics.

The bilayered blocks are modeled after the layering aesthetics of natural dentition, reestablishing the enamel layer and anterior crowns for inlay/onlay and veneer cases. Enamel reestablishes the enamel layer and anterior crowns for inlay/onlay and veneer cases. Effortlessly achieve consistent and accurate shade matching while reducing chairside time and treatment cost.

Dentin-like light transmission makes this optimally balanced hybrid ceramic ideal for the production of highly aesthetic anterior restorations. Thanks to its excellent physical properties, it can also be used to create posterior restorations, absorbing occlusal stress and providing high-edge stability. With superior flexural strength and low flexural modulus, the material has excellent capability to diffuse stress, making it an ideal alternative to lithium disilicate and zirconia.

Shofu Block & Disk HC is milled quickly and precisely and polished to a high gloss in a very short time, and the restoration can be cemented or screw-retained immediately. The high flexural strength of 191 MPa and Vickers hardness of 66HV0.2 make Shofu Block & Disk HC a good candidate for both anterior and posterior restorations, implant-supported cases, and long-term provisionals. Additionally, the hardness of the material also demonstrates values closer to dentin, thus no excessive antagonist wear can be observed, which is a concern when using aesthetic and high-strength ceramics.

The Two-Layer Shofu Blocks HC efficiently create aesthetically pleasing anterior and posterior restorations. The bilayered blocks are modeled after the layering of natural teeth with a chromatonic opaque dentine layer and a translucent layer of enamel. Effortlessly achieve consistent and accurate shade matching while reducing chairside time and treatment cost.
Dentin-like light transmission makes this optimally balanced hybrid ceramic ideal for the production of highly aesthetic anterior restorations. Thanks to its excellent physical properties, it can also be used to create posterior restorations, absorbing occlusal stress and providing high-edge stability.

With superior flexural strength and low flexural modulus, the material has excellent capability to diffuse stress, making it an ideal alternative to lithium disilicate and zirconia.

Shofu Block & Disk HC is milled quickly and precisely and polished to a high gloss in a very short time, and the restoration can be corrected or screw-replaced immediately.

The high flexural strength of 191 MPa and Vickers hardness of 66 to be fabricated in a very low thickness.

**NATURAL AESTHETICS WITH TWO-LAYER HC**

The Two-Layer Shofu Blocks HC efficiently create aesthetically pleasing anterior and posterior restorations. The layered blocks are modeled after the layering of natural teeth with a chromatic opaque dentin layer and a translucent layer of enamel. Effortlessly achieve consistent and accurate shade matching while reducing chairside time and treatment cost.

**SHOFU BLOCK & DISK HC FINISHING & POLISHING TECHNIQUE**

Shofu Blocks & Disks HC can be easily finished, polished, and adjusted intraorally with the same instruments as direct resin composites. Furthermore, they can retain their gloss, shade, and surface anatomy nearly as effectively as traditional ceramics.

**SHOFU BLOCK & DISK HC**

- Demonstrate the translucency and light diffusion of natural teeth and blend with the surrounding tissue with ease.
- The proprietary microstructure of the material supports high wear resistance and superior gloss retention allowing for a broad range of indications.
- Shofu CAD/CAM composites, Blocks & Disks HC, are manufactured in one- and two-layer blocks and disks. They are available in common tooth shades and translucencies, based on the VITA® Classical shade system.
The proprietary microstructure of Shofu Block & Disk HC and its spherical-shaped high-density filler particles achieve greater polishability and higher gloss retention than other CAD/CAM restorative materials.

OUTSTANDING WEAR RESISTANCE

Food and drinks discolor both natural dentition and composite restorations. Shofu Block & Disk HC has proven to demonstrate higher resistance to staining and better gloss retention as compared to other CAD/CAM materials.

EXCELLENT COLOR STABILITY

Shofu Block & Disk HC innovative microstructure creates a smooth and durable surface finish. A natural glass can be achieved with a few intermediary steps.

REMARKABLE HIGH GLOSS FINISH

NEW! BlockButler CAD/CAM Block Storage, Organizer & Display
Holds 100 blocks • Fits all brands* • Wall mount or store in drawers

COMPLEMENTARY PRODUCTS

HEMI Primer, Gris
V0005
MoniCem, DT 3.5g Translucency 3208A Bleach White 3209A
RedCem, DS 34L 3208
Dura-Paint Polishing Paste, 5g 9562
Dura-Paint OLA Polishing Paste, 5g 9564

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SHOFU BLOCK & DISK
CAD/CAM CERAMIC-BASED RESTORATIVE

2. Diedrichs G. University of Dusseldorf, Klinik fur Zahnartzliche Prothetik, UKD der Heinrich-Heine-Universitat.
SHOFU BLOCK & DISK
CAD/CAM CERAMIC-BASED RESTORATIVE

98mm x 14mm
10mm x 12mm x 16mm
12mm x 14mm x 18mm

Visit www.shofu.com or call 800.827.4638

PHYSICAL PROPERTIES
Compressive Strength: 472MPa
Flexural Strength: 191MPa
Flexural Modulus: 9.6GPa
Depth of Wear: 25.8µm
Surface roughness after toothbrush wear: 0.18µm
Vickers Hardness: 66Hv0.2
Gloss Value after polishing: 75%
Contrast Ratio: 0.60 (A3-LT)
Opal Index: 10.1 (A3-LT)

SHOFU BLOCK HC A3-LT Competitor A Competitor B
Surface roughness
0
10
20
30
40
50
60
70
80
90
100

Depth of wear (µm)
0
0.1
0.2
0.3
0.4
0.5
0.6

Gloss Value after polishing test (%)

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COMPLEMENTARY PRODUCTS

NEW! BlockButler CAD/CAM Block Storage, Organizer & Display. Holds 108 blocks. Fits all brands*. Wall mount or store in drawers. 8200GC

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NEED TO TRANSFORM YOUR WORKFLOW?
SHOFU®'S BLOCK & DISK CAD/CAM BLOCKS ARE THE SAFEST, EASIEST TO APPLY, HIGHEST QUALITY SOLUTION TO MEET THE RIGOROUS DEMANDS OF DENTAL PROFESSIONALS.

LIGHT TRANSMISSION AND DIFFUSION

The proprietary microstructure of Shofu Block & Disk HC and its spherically-shaped high-density filler particles achieve greater polishability and higher gloss retention than other CAD/CAM restorative materials.

OUTSTANDING WEAR RESISTANCE

2. Diedrichs G. University of Dusseldorf, Klinik fur Zahnartzliche Prothetik, UKD der Heinrich-Heine-Universitat.