

# SIO-2® PRAI 3D - White Stoneware Clay for 3D Printing

## WHY CHOOSE SIO-2® PRAI 3D?

SIO-2® PRAI 3D clay offers a convenient way to 3D print unique and hard-to-shape objects in a distinct ivory color.

## IS SIO-2® PRAI 3D CLAY MICROWAVE SAFE?

SIO-2® PRAI 3D clay is formulated for artistic ceramics and has not been tested to be microwave safe.

## IS SIO-2® PRAI 3D SUITABLE FOR TABLEWARE?

Yes, PRAI 3D clay bodies are food-safe according to ISO 6486:1999 standards.

## GLAZE RECOMMENDATIONS

SIO-2® PRAI 3D clay bodies create an appealing ivory color to apply both glazes and coloring oxides onto, which can develop to bright and intense tones.



PRAI3D SIO-2®



PRAI Millor Actor Teatral



SIO-2® PRAI 3D White Stoneware Clay is a popular high-fire white clay body that contains 40% impalpable grog (up to 80 mesh), formulated specifically for 3D printing. It is available in an extruded body that comes with the ideal moisture levels for 3D printing, making it a convenient and easy-to-use option.

After firing, SIO-2® PRAI 3D clay takes on a distinct white ivory color that is highly sought after and provides an excellent canvas for glazes and coloring oxides. Additionally, PRAI's unique characteristics ensure that it behaves exceptionally well during both drying and firing processes.

**Firing range: 1240-1300°C / Cone 6-10**  
**Biscuit temperature: 1000°C / Cone 06**  
**Water content: 22%**  
**Plasticity (IP Atterberg): 16**  
**Carbonate content (CaCO<sub>3</sub>): 0%**  
**Drying shrinkage: ~8.5%**  
**Firing shrinkage (1300°C): 7.0%**  
**Porosity (water absorption at 1300°C): 0.0%**  
**Dry bending strength: 3.0 N/mm<sup>2</sup>**  
**Fired bending strength (1300°C): 45.3 N/mm<sup>2</sup>**  
**Thermal coefficient (25-500°C): 52.6x10<sup>-7</sup>°C<sup>-1</sup>**



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