

# SIO-2® PCLI - Stoneware Paper Clay

## WHAT IS PAPER CLAY?

Paper clay body is a mixture of clay and paper pulp, used to create lightweight and highly flexible sculptures or pottery.

## WHY CHOOSE SIO-2® PCLI?

SIO-2® PCLI has exceptional plasticity, making it ideal for creating complex shapes that would be challenging to dry with other clays.

## IS SIO-2® PCLI CLAY MICROWAVE SAFE?

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

## IS SIO-2® PCLI SUITABLE FOR TABLEWARE?

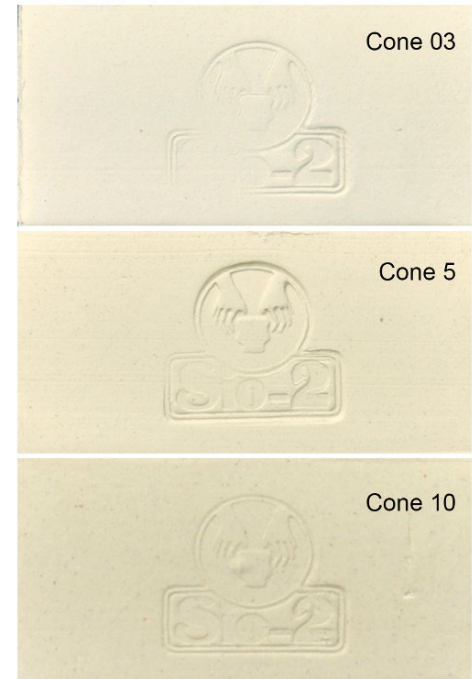
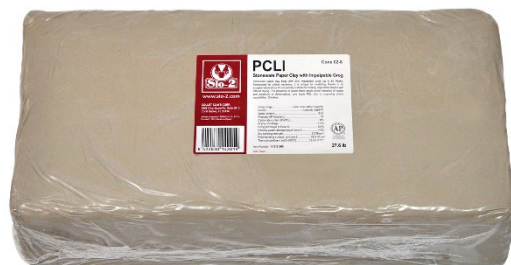
SIO-2® PCLI clay is made for artistic ceramics and therefore has not been tested to be food-safe according to ISO 6486:1999 standards.



PCLI Maria Oriza



PCLI Marta Prados



SIO-2® PCLI is a type of clay body that is made by mixing paper pulp and clay together. The paper fibers in the clay create a unique texture and reduce cracking during drying and firing. It is a low shrinkage and strong clay that is suitable for a wide range of ceramic projects.

SIO-2® PCLI clay contains 30% impalpable grog, which is a fine sand-like material up to 0.2 mm in size (up to 80 mesh).

It has been specifically designed for use in artistic ceramics and boasts exceptional plasticity, making it perfect for intricate modeling. The clay is particularly useful for creating complex shapes that would be difficult to dry using other clays.

**Firing range: Cone 02-8 (2052-2320°F)**  
**Biscuit temperature: Cone 05 (1911°F)**  
**Water content: 24%**  
**Plasticity (IP Atterberg): 27**  
**Carbonate content (CaCO<sub>3</sub>): 0%**  
**Drying shrinkage: 7.2%**  
**Firing shrinkage (1200°C): 6.0%**  
**Porosity (water absorption at 1200°C): 4.2%**  
**Dry bending strength: 5.2 N/mm<sup>2</sup>**  
**Fired bending strength (1200°C): 39.5 N/mm<sup>2</sup>**  
**Thermal coefficient (25-500°C): 53.7x10<sup>-7</sup>°C<sup>-1</sup>**



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