



## SIO-2 - PRNF STONEWARE CLAY BLACK 0-0.5 MM CHAMOTTE

Discover Sio-2 PRNF black refractory clay, perfect for artistic ceramics and sculpture. With 40% fine grog (0-0.5 mm), it offers excellent performance during drying and firing, giving your pieces a unique character.

Key Features:

- High grog content for superior drying and firing performance.
- Intense black color in oxidative firing, highly valued for artistic expression.
- Metallization effects with blue tones in a reducing atmosphere.
- Available in extruded plastic clay.
- Compatible with zinc-free (Zn) glazes to avoid unwanted reactions.

Technical Specifications:

- Firing Temperature: 1200-1260°C
- Biscuit Temperature: 1000°C
- Moisture: 21%
- Plasticity (IP Atterberg): 19
- Calcimetry (CaCO<sub>3</sub>): 0%
- Drying Shrinkage: 8.1%
- Firing Shrinkage at 1260°C: 3.7%
- Porosity (water absorption) at 1260°C: 8.8%
- Dry Mechanical Strength: 5.7 N/mm<sup>2</sup>
- Mechanical Strength at 1260°C: 29.5 N/mm<sup>2</sup>
- Expansion Coefficient at 1260°C (25-500°C):  $50.8 \times 10^{-7} \text{ } ^\circ\text{C}^{-1}$

Usage Recommendations:

- Avoid glazes with low expansion coefficients ( $a_{25-300^\circ\text{C}} < 60 \times 10^{-7} \text{ } ^\circ\text{C}^{-1}$ ).
- Consult your glaze supplier to ensure compatibility.

Color / Size

12,5 KG

Black

26004