

FICHE TECHNIQUE

PRAF

White sculpture/raku clay 0-0.5 mm

White sculpture/raku clay with 40% fine grog 0-0.5 mm (up to 35 Mesh). Formulated for artistic ceramics, it is ideal for sculpture, murals and Raku pieces. The high content of grog confers a beautiful textured surface and an excellent behaviour during drying and firing. Its particular ivory colour after firing is much appreciated and provides an excellent ware for glazes and colouring oxides, which develop bright and intense tones. It is also known as "Rafael" clay, and it is very popular because of its excellent behaviour for Raku.

Características Técnicas en Crudo | Green and Drying Data

Ref. CQ	Consistencia Consistency*		Plasticidad Plasticity (Atterberg)		Humedad Water content	Contracción secado Drying shrinkage	Resistencia seco Dry strength
	Base Tip	Kg	LL	IP			
PRAF #4	20 mm	4.2 - 5.8 kg	34	16	17%	5.4%	2.4 N/mm ²

(*) Consistencia de extrusión | Extrusion consistency (softness)

Características Técnicas en Cocción | Firing Data

Rango de cocción Firing range	Temp. bizcocho Biscuit temperature	Temperatura Temperature	Pérdida de peso Loss on ignition	Absorción agua Water absorption	Contracción cocción Firing shrinkage	Resistencia cocido Fired strength	Coeficiente de dilatación térmica lineal Thermal coefficient of linear expansion $\times 10^{-7} \text{ } ^\circ\text{C}^{-1}$			
							α_{25-300}	$\alpha_{300-600}$	$\alpha_{600-650}$	α_{25-600}
1240-1300°C Cone 6-10	1000°C Cone 06	1200°C	4.2%	9.5%	3.1%	27.7 N/mm ²	-	-	-	-
		1250°C	4.4%	5.0%	4.3%	30.7 N/mm ²	59.0	63.5	75.3	59.8
		1300°C	4.4%	4.1%	4.6%	33.5 N/mm ²	-	-	-	-

Análisis Químico y Calcimetría | Chemical Analysis and Carbonate Content

SiO ₂	Al ₂ O ₃	Fe ₂ O ₃	TiO ₂	CaO	MgO	Na ₂ O	K ₂ O	MnO	L.O.I.*	CaCO ₃
60.08%	30.68%	1.22%	1.58%	0.18%	0.30%	0.22%	1.54%	-	3.96%	0%

(*) Pérdida de peso | Loss on ignition

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