

# Technical Data Sheet

## PF660 (Black Chunky)



Modelling



Hand Building



Firing Range: 1080-1260°C



Colour: Black



Texture: Coarse Textured



Bag Size: 12.5kg

Fired at

1300°C

1280°C

1260°C

1240°C

1220°C

1200°C

1180°C

1160°C

1140°C



Chemical Analysis (% Oxides Weight)		
Oxide		Percentages
Silicon Oxide	SiO <sub>2</sub>	48.42
Aluminium Oxide	Al <sub>2</sub> O <sub>3</sub>	33.1
Iron Oxide	Fe <sub>2</sub> O <sub>3</sub>	7.31
Calcium Oxide	CaO	0.38
Manganese	MnO	3.13
Sodium Oxide	Na <sub>2</sub> O	0.06
Potassium Oxide	K <sub>2</sub> O	0.50
Titanium Oxide	TiO <sub>2</sub>	1.37
Loss of incineration	LOI at 1025°C	5.76

Green Physical Data	
Water Percentage	20-22%
Chamotte Percentage	40%
Chamotte Size	0-3mm
Consistency by penetrometer PT-207, using cylinder point of 2cm <sup>3</sup>	0.9-1.1 kg/cm <sup>2</sup>
IP Pfefferkorn (%)	-

Dry Physical Data	
Drying shrinkage at 110°	4.8%

Coefficient of Expansion
-

Fired Physical Data	
Firing shrinkage at 1280°C	4.5%
Water absorption at 1280°C	%
Fired Colour (CIELAB)	L: 31.75 a: 0.43 b: 0.29

This technical information is only a guide, established from the characterisation and analysis of representative samples, and from routine production averages.

Product characteristics are subject to modifications.

