

Technical Data Sheet

PF680 (Smooth Black)



Throwing



Modelling



Firing Range: 1080-1260°C



Colour: Black



Texture: Smooth Textured



Bag Size: 12.5kg

Fired at

1300°C

1280°C

1260°C

1240°C

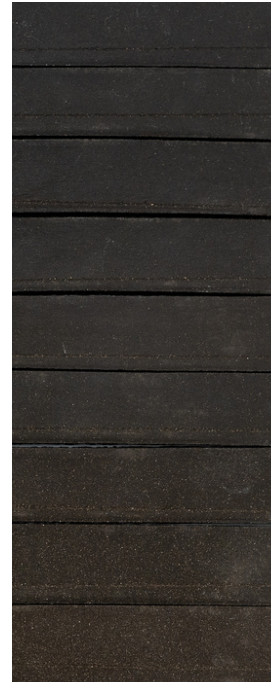
1220°C

1200°C

1180°C

1160°C

1140°C



Chemical Analysis (% Oxides Weight)		
Oxide		Percentages
Silicon Oxide	SiO ₂	45.94
Aluminium Oxide	Al ₂ O ₃	30.96
Iron Oxide	Fe ₂ O ₃	6.62
Calcium Oxide	CaO	0.44
Manganese	MnO	6.26
Sodium Oxide	Na ₂ O	0.08
Potassium Oxide	K ₂ O	0.57
Titanium Oxide	TiO ₂	1.48
Loss of incineration	LOI at 1025°C	7.01

Green Physical Data	
Water Percentage	19-22%
Chamotte Percentage	40%
Chamotte Size	0-0.2mm
Consistency by penetrometer PT-207, using cylinder point of 2cm ³	0.9-1.1 kg/cm ²
IP Pfefferkorn (%)	19.67

Dry Physical Data	
Drying shrinkage at 110°	5.8%

Coefficient off Expansion
78.1

Fired Physical Data	
Firing shrinkage at 1280°C	4.6%
Water absorption at 1280°C	9.45%
Fired Colour (CIELAB)	L: 31.02 a: 1.31 b: 1.96

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.

