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PRODUCT TECHNICAL DATA

Red Plastic Fireclay Preliminary Technical Data sheet

Description: A plastic fireclay exhibiting outstanding plasticity and workability while providing an attractive color at various firing temperatures.

Physical Properties

PCE	26			
Firing Temperature	1800F	2000F	2200F	2400F
Approximate Cone (Small)	08	04	4	9
Dry Shrinkage (%)	7.15	4.58	8.58 (Expansion)	N/A
Fired Shrinkage (%)	12.38	9.57	3.28 (Expansion)	2.97 (Expansion)
Fired Color	Red	Red	Brown	Purple/Red
LOI (%)	6.27	6.36	7.85	N/A

Chemical Analysis (Raw Basis)

SiO ₂	50.2
Al ₂ O ₃	27.2
Fe ₂ O ₃	5.1
TiO ₂	1.3
K ₂ O	2.9
MgO	1.0
CaO	0.5
Na ₂ O	0.1
P ₂ O ₅	0.3
LOI	10-12%

Typical Screen Analysis (35mesh)

	Individual %	Cumulative %
Retained: US 40	22.0	22.0
Retained: US 70	26.7	48.7
Retained: US 200	28.5	77.2
Retained: Pan	22.8	100

The data shown above is based on control test data. The results of individual tests may vary. Therefore, this data may not be used for specifications. NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OF MERCHANTABILITY ARE MADE REGARDING THE DATA SHOWN ABOVE.