



KLEENKAST™ HPF is a **Resin Bonded Clay**, designed to be an environmentally conscious, taphole closure material for blast furnaces producing over 7,000 ntm/day.

- High carbon content allows for longer taphole lengths.
- Increased anti-oxidants to maintain hole integrity longer.
- A reinforced bonding system with additives to give extended cast times.
- Zero (measurable) emission ensures cast house emissions are in compliance.
- Lowest detectible PAH levels via integrated steel producer's independent lab testing.
- Unique resin system allows for a wider temperature operating range and easier drill out.

Cold Coked Crushing Strength (psi) 1600 Min

Volatile Loss 11.0% Max

Green Bulk Density (as rammed) 144 PCF

Linear Change (after coking at 2000° F) +3%

(Chemical analysis, after calcined in oxidizing conditions)

Al₂O₃	SiO₂	Fe₂O₃	SiC+ Additives
41	25	0.55	33

Packaged ~300/10lbs individual slugs for 3000 lbs. pallet box

273500 – 11/2/19

The data presented represents typical average results obtained by testing under ASTM or other acceptable procedures as required. They are subject to normal variations and should not be used for specification purposes.