

# NATIONAL<sup>®</sup> STANDARD PG

IOP  
Binder

**NATIONAL<sup>®</sup> STANDARD PG** is a natural sodium bentonite (clay) used as an iron ore pellet binder. NATIONAL STANDARD PG has been engineered for superior pellet strength and maximizing binding of all iron ore fines with minimal percentages of addition. The high-water absorption and incredible swelling capacity of sodium bentonite promote balling of the iron ore concentrate, improve green and dry strengths of the pellets, and prevent collapse of the pellets after they are introduced into the rotary kiln. The high purity of National Standard PG bentonite reduces slag formation from acid gangue in the steel making process.

## Applications/Functions

- Iron ore fines binder

## Advantages

- Superior pellet green/dry strength
- Stronger binding properties
- Higher water absorption
- Increased swelling capacity
- Easier to transport
- Less consumption
- Reduced slag formation

	Specification
Moisture, %	12.0 Max
Passing 200 mesh, %	67.5 Min
Wet Sieve +325, %	10 Max
Plate Water	750 Min



## Packaging

NATIONAL STANDARD PG is available in bulk rail and ships from our Colony and Lovell, WY plants.

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