

# Procedure and Apparatus For Determining Carbonizing Properties of American Coals by the Bureau of Mines-American Gas Association Method.

s.n - American Gas Association



Description: -

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Technical paper (United States. Bureau of Mines) -- 685Procedure and Apparatus For Determining Carbonizing Properties of American Coals by the Bureau of Mines-American Gas Association Method.

Notes: 1

This edition was published in 1946



Filesize: 28.93 MB

Tags: #Procedure #And #Apparatus #For #Determining #Carbonizing #Properties #Of #American #Coals #By #The #Bureau #Of #Mines

## Plastic, Agglutinating, and Free

Thus Rose states that in some localities it is feasible to specify an ash content as low as 8 to 9 percent, whereas in others cokes containing 10 to 15 percent ash would be considered of fair quality. In fact, examples are on record where addition of as much as 30 percent of low-volatile coal to the high-volatile coal does not affect the agglutinating value at all.

## Plastic, Agglutinating, and Free

Applied Mathematics Division, and Institute for Basic Standards U.

## Plastic, Agglutinating, and Free

For example, we expected that the expanding properties of the coal would correlate closely with the maximum viscosity in the plastic range.

## American Gas Association

Other drawbacks to the full-scale oven test are its high cost, lack of general applicability of results to other ovens and other operating conditions, and difficulty of precise control of operating conditions. The reason for the difference for this particular coke is believed to be that with the low ash content its softening temperature was lowered to a greater extent by the chance inclusion of iron from the retort in which it was prepared. It is clear that the test gives a sensitive indication of differences in petrographic composition, of effect of oxidation, and of blending when it is applied to coal from a given bed or different mixtures of the same coals; but it should be stated that the effect as measured is not directly proportional to the change introduced.

## Plastic, Agglutinating, and Free

As it is almost everyone using the methods has introduced at least some slight modification, the effect of which cannot be measured in terms of the A.

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