

Influence of particle size and briquette shape on the strength of binderless coal briquettes

장동민*, 이운재, 최재훈

POSCO

(jamesjang@posco.com*)

The dried coal process generally creates significant amount of coal fines. To utilize these fines pre-treatment such as agglomeration or compaction process were required. This study investigated the influence on binderless briquette strength and densification quality with moisture contents, particle size distribution and briquette shape. Lab-scale roll press briquetter was used for the experiments and the optimized operation condition for the different type of coal was suggested.