

JIS (Japanese Industrial Standards) and Quality Distribution of Fly Ash for Concrete in Japan

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ABSTRACT

In Japan, approximately 10 million tons of coal ash is being produced by the electric company and other industrial sites every year as the by-product from coal-fired thermal power plant. The volume is expected to grow further due to the new construction and expansion of coal-fired thermal power plant in the future.

The use as the mixture material for concrete is the most effective use for fly ash from the viewpoint of large amount of consumption.

We collect test records of JIS fly ash shipped in recent years from 24 places of each electric power station in the whole Japan for about two years. The number of data is about 450. We research about the statistical distribution of the data referring the background of present JIS standard value.

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