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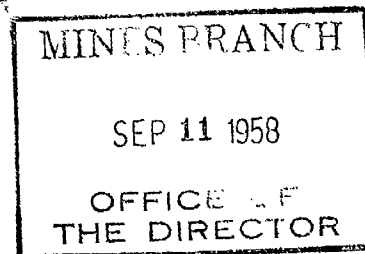
OTTAWA

Mines Branch Investigation Report IR 58-64

REPORT ON PHYSICAL CHARACTERISTICS OF
85% MAGNESIA PIPE COVERING SUBMITTED BY
ATLAS ASBESTOS COMPANY LIMITED

by

H. M. Woodrooffe
Industrial Minerals Division



Note: This report applied essentially to the samples received.
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April 16, 1958

REPORT ON PHYSICAL CHARACTERISTICS OF
85% MAGNESIA PIPE COVERING SUBMITTED BY
ATLAS ASBESTOS COMPANY LIMITED.

On February 7th, 1958, Atlas Asbestos Company Limited submitted a sample of 85% magnesia pipe covering for determination of modulus of rupture and density. The complete sections of 3" diameter covering 2" thick were supplied.

Procedure

The samples were conditioned at 110°C for twenty-four hours prior to the examination. The modulus of rupture and density were determined following the detailed procedure in Canadian Government Specifications Board 51-GP-3.

Results

The density of this sample was 12.4 lbs per cubic foot.

An average of ten individual breakages indicated that the modulus of rupture was 57.83 lbs. per square inch.

Remarks.

The modulus of rupture was substantially greater than that obtained and reported on in Industrial Minerals Report No. 475 of August 21, 1957. The ratio of density to modulus of rupture was 3.82.

HMW/BR

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