PLAINTIFF'S EXHIBIT
ATI-195

Minutes of the Meeting of the Technical Committee of

The Asbestos Textile Institute, September 7, 1955

at Essex House, New York, New York

IN ATTENDANCE:

Southern Asbestos Company
J. D. McCluer, Chairman

American Asbestos Company
E. C. Cutler

Asten-Hill Manufacturing Co.
D. V. Asten

Keasbey & Mattison Company
C. R. Frederick
R. L. Lanz

Raybestos-Manhattan, Inc.
M. W. Oliver
M. S. Maier

Johns-Manville Corporation
J. L. Tucker
Ed Beale
L. R. Hoff

Cassiar Asbestos Corporation
T. T. Tigert

Philadelphia Textile Institute
M. C. Shaw

The minutes of the last meeting were approved as written and the reading of them was deleted.

Following the outline of the agenda, Mr. Frederick made the report for the Tape Committee. The Ft/Lb values as set up as the ATI Standard at the last meeting were reviewed. These values represent the average of values submitted by individual companies. When comparing these values to those in the ATI Handbook, it was voted that except for minor differences, the two sets of values were almost identical. For that reason, the committee considered it would be wise to retain the Handbook values as standard. The committee next considered standardization on constructions. The constructions agreed on for the five sizes are appended in Table I and form a part of the minutes. The data shown in Table I completes the committee's work on tapes except for tensiles. For this, members were requested to obtain samples of their own manufacture in all five sizes and of standard or near standard construction and of underwriters grade in widths of 1" and 2" for each size and to send to Dr. Shaw 30 ft. of each specimen. Standard procedure for testing is to allow specimens to condition in the atmosphere of the testing area 24 hours prior to testing and to record the Relative Humidity and Temperatures at the time of test. On the 1" width, break full width using jaws more than 1" wide. On the 2" widths, use the Grab Method employing 1" jaws. Samples are to be tested for tensile "As Received" and "After Heated" at 300°C for 30 minutes.

Mr. Oliver reported for the Braided Tubing Committee and since the standard ATI list including Ft/Lb, tolerances and methods of test has previously been approved by the Sales Promotion Committee, the only additional work included the adoption of suitable style numbers. A system of styling was agreed upon by the committee and a list of the style numbers is appended to the minutes in Table II.

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The Cloth Committee, Mr. Cutler as Chairman, has recently completed the ATI standard list on (no wire inserted) asbestos cloths and submitted copies of this to the membership of the Technical and Sales Promotion Committees. The only remaining work on cloth is to standardize on "After Heat" tensiles. The committee decided that the proper temperatures for heat aging cloth are 400°F, 600°F and 800°F for Underwriters Grade, Grade AA and Grade AAA, respectively. Dr. Shaw's recent work on current cloths gives a great deal of valuable information and can probably be used as a guide in arriving at realistic "After Heat" tensiles. Members of the committee were requested to study Dr. Shaw's latest Fellowship Report No. 34 of September 8, 1955 and to give their ideas as to the best way to utilize the information there in on "After Heat" cloth tensiles. In this connection, Dr. Shaw has agreed to keep a running summary on cloth tensiles, before and after heating, beginning with 1954 samples. He already has enough 1955 samples for this year but will need new samples each succeeding year of standard styles.

Dr. Shaw requested that members send him additional samples of metallic cloths which are listed as ATI standard metallic cloths, a list of which will be found in the minutes of the Technical Committee meeting October 6, 1954, on page #3. He requested as many samples as possible even tho a member had previously submitted the same style. These are to enable him to complete his work on heat degradation of metallic cloths and may contain either brass or monel wire.

The subject of Specification Sb-C-00466A was discussed and it is reliably known that a new revision of this has been made by the Agency and will be issued soon.

The committee discussed the communication from Mr. F. H. Gant, Department of Navy, Washington, D. C., on the advisability of using 150-4/0 glass in place of 150-2/2 glass yarn in class 5 cloth (asbestos-glass combination cloth). The committee did not recommend this substitution. A sample of the 150-4/0 demonstrated at the meeting showed it to be too "wild" for this use. The committee requested Dr. Shaw to respond to Mr. Gant to this effect. It is reported that the supplier of the 150-4/0, Pittsburgh Plate Glass Company, is now recommending another construction for this application, that is, two ends of 150-2/0. Members were requested to experiment with samples of 150-2/0.

Dr. Shaw made a brief report on theatre curtains giving a consensus of opinion as expressed by the Sales Promotion Committee on the requisite fabric for a theatre curtain. This would be a 3.0 lb/sq.yd. Grade AAA, Metallic Cloth to be mounted on a rigid frame in such manner that there would be two cloths mounted with a minimum of 4" between cloths. Opinion is that a metallic cloth could not be rolled up and down frequently without fracturing the wire. Mr. Asten expressed an interest in the manufacture of theatre curtain cloth because of the broad looms at the Asten-Hill plant which would enable weaving full width without having to splice.

Regarding the ATI List on Braided Asbestos Tubing and the ATI Standard Industrial Asbestos Tapes which the committee has completed and are shown in the appended Tables I and II, Dr. Meier made a motion, seconded by Mr. Lanz, that all of the information in the above two tables be sent to the Sales

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Promotion Committee with the recommendation that it also be presented to ASTM for inclusion as standard under the headings of Asbestos Braided Tubing and as Asbestos Industrial Tapes, with the information set up to conform to ASTM format. The motion also covered that the same information be publicized in the ASTN Journal. The motion was carried by unanimous vote.

Nothing new was reported on better ways to measure dust in fiber, but it was recommended that the subject be kept active with further search for a better method.

This completed the items on the agenda and the meeting was adjourned.

John D. HcCluer

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