

MONTHLY HIGHLIGHT REPORT - DECEMBER 1969
RESEARCH & DEVELOPMENT DEPARTMENT
INDUSTRIAL PRODUCTS DIVISION

SECRET - COMPANY CONFIDENTIAL

I. INDUSTRIAL PRODUCTS (South Bound Brook)

A. Felts and Papers

Gasketing

A run of .035", GN-704 asbestos acrylonitrile gasketing was made to fill a trial order from Victor Gasket Co. The product met all specifications and samples have been sent for approval prior to shipment of the rolls. A full product line requires additional thicknesses ranging from .045" to .062". During this run other weights were made successfully, however, some difficulty was encountered at the highest thickness. It is believed that this can be overcome by formula adjustments which will be tried on any subsequent runs to fill orders for lower caliper sheet.

Saturating Paper

There has been some question about the adequacy of the internal bond strength of certain asbestos base roofing felts. A trial run was made employing a small amount of Accostrength resin in the 10 lb. asbestos saturating paper furnish in order to improve this characteristic. The initial results were encouraging and trial quantities of both 35 lb. coated asbestos roll roofing and 15 lb. asphalt saturated felt have been run using the test felt. Product is being evaluated to determine if the improved properties are retained.

B. Asbestos Flooring Felt

A longer repeat run using one tank truck of TCD carboxylated latex 400-76E was made and 35 rolls of flooring felt were produced. One minor machine shutdown was experienced but the run was considered quite successful. The material has been shipped to Whitehall for evaluation and if the felt is acceptable, future production will involve a greater percentage of this new binder until complete conversion is accomplished.

C. Automotive

A program for production of molded, automotive sound deadening membrane has progressed satisfactorily and marketing is receiving enthusiastic response from the industry for this approach after viewing R&D prepared samples. Vacuum-forming molds for Fisher body sail areas are being procured. Arrangements have been made with an outside company to make a five-to-six hour continuous run employing one of their dies in a rotary forming unit. Sufficient moldable-type membrane has been produced for this trial which will allow for study of time-temperature cycles and improvement of cost estimates.

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