EXHIBIT
K597a
858
(OCF COPY)

Mr. R. S. Grant - Toledo

A. R. F. Shannon - Granville

KAYLO RESEARCH & DEVELOPMENT
MONTHLY REPORT FOR MARCH, 1968

April 4, 1968

Mr. E. Gay - Toledo
Mr. M. Hardwick - Berlin
Mr. J. Helser - Berlin
Mr. A. J. Pearson - Toledo
Mr. J. Rhoads - Berlin
Mr. T. Schuman - Toledo
Mr. H. V. Smith - Toledo
Central Files

This report summarizes major Process Development activities carried out in March by the Kaylo Research & Development Laboratory in cooperation with Berlin Plant personnel in support of plant operations. It also briefly summarizes the status of Marketing supported Kaylo Product Development programs.

PROCESS DEVELOPMENT

1. New Plant Facility

A [illegible] a direct comparison of p[illegible]ration for installation at the new Southwest facility, with the advantages and disadvantages of each listed, was prepared and issued. Technical support and consultation was provided the General Engineering and Manufacturing Divisions. A study is currently under way to determine the effect of 310 cylinder pressures of 350 psi (Berlin uses 250 psi 310's) on process time, thruput and product properties.

A trip was made to observe first hand the JM filter press process at their plant in Long Beach, California. The filter press process, as developed by JM, is highly automated and requires very few people to operate. A report covering this trip will be issued by E. Gay.

2. Process 101 (Elimination of Mold Release Oil)

Large scale experimental production runs of Process 101 have been completed. Results reported by the plant indicate Process 101 will successfully eliminate mold oiling for Kaylo products at no loss in efficiencies or thruput. Additional costs for additive lubricant should be more than offset by reductions in labor, oil, polyethylene and maintenance savings. Conversion to Process 101 will take place May 1st.

A carbon black dispersion substantially lower in price than those on the market is being developed at Granville with initial plant trials scheduled for latter part of April.

3. 700 POUND DUST BATCH

A revised scope with attached cost estimate for the equipment required to grind, collect, store and convey to the dust weigh hopper on the batch

- continued -

01 023 1337

PLAINTIFF'S EXHIBIT
K-597a

floor, ground Kaylo scrap and offware for reuse in Kaylo batch was issued March 27th by General Engineering. A 901 will be prepared shortly by the Plant to cover this facility. Granville and Berlin plant trials all confirm a satisfactory product can be made from batch containing 700 lbs. of dust and offware. The process permits the reuse of a substantial percentage of available offware and offers the plant a substantial cost savings. Granville R & D fully supports Berlin in their request to management for a grinding facility.

4. Diatomaceous Earth

Based on laboratory data, an alternate and lower cost source of diatomaceous earth has been located. Prehardening and product strength data are quite comparable to those obtained in Kaylo made with Eagle Picher's N-370 Celatom. A 1000 lb. order has been placed with the vendor for shipment to Berlin. Full scale plant trials are scheduled week of April 8th.

PRODUCT DEVELOPMENT

1. Stress Corrosion

Kaylo 10.5??, the new stress corrosion product line will become available for national distribution May 1st. Extended plant runs have been made in March with no major process problems encountered. Samples of both pipe and block were submitted to PTL for physical and thermal testing.

2. Multi-Temp Fittings

Meeting with representatives of Industrial Insulators, Houston, Texas was held during the month of March. They are interested in the fabrication of Multi-temp pipe fittings. Also, interested in producing Kaylo pipe fittings by pan pouring process. Previously Insul-Coustics Division, Birma Manufacturing Company had expressed same interest in Multi-temp pipe fittings. I and C Division was to make a decision on how OCF would proceed in Multi-temp and Kaylo pipe fitting business by March 19th.

3. Replacement of Asbestos

Program placed on hold. Reason — Lack of manpower.

4. Technical Service to Marketing

At request of the Philadelphia Branch, a comparison of Thermobestos vs Kaylo, including chemical analysis of each, was made. Data to be used by the Branch to support bid for large job at Hercules.

RFS

R. F. Shannon

RFS/pb

01 023 1338