



INTERNAL CORRESPONDENCE

CHEMICALS AND PLASTICS

P. O. BOX 8361, SOUTH CHARLESTON, WEST VIRGINIA 25303

To (Name) Dr. D. O. Westerberg
Division Union Carbide Corp.
Location Films-Packaging Division
6733 West 65th St.
Copy to Chicago, Illinois 60638

Date January 22, 1975
Originating Dept. Research and Development
Subject Vinyl Chloride Analysis:
PVC resins and films

Mr. R. A. Bleidt (3)
Dr. J. J. Brezinski
Mr. R. J. Hanna
Mr. J. B. Johnson

Dear Duane:

This letter will confirm our telephone conversation of January 20, 1975, concerning the vinyl chloride monomer analyses which I reported to you. These analyses were obtained using our revised GC method of analysis which utilizes a TERGITOL E-35 column instead of the Chromosorb 102. We are sparging the THF solvent with nitrogen to remove some unidentified impurity which was interfering with the vinyl chloride peak. The sample size being injected into the chromatograph is 40 μ l; however we have a back-flush valve in the system, thus preventing the solvent from reaching the detector.

Tabulated in Table I and attached to this letter are the vinyl chloride results. As can be seen from these data, all of the samples contain less than 0.1 ppm vinyl chloride.

If I can be of further assistance don't hesitate to call.

Regards,

A. E. Gabany, Jr. 

AEG/vl
Attachment

UCC
037713

TABLE I
VINYL CHLORIDE ANALYSIS OF VINYL CO-POLYMER
RESINS AND FILMS FROM D. O. WESTERBERG

<u>Sample</u>	<u>Vinyl Chloride, ppm</u>
12-17-1	<0.1
12-17-2	<0.1
12-17-3	<0.1
12-17-4	<0.1
12-17-5 (a)	<0.1
12-17-6 (a)	<0.1

(a) film sample, all others are resins