



PLAINTIFF'S EXHIBIT

BIR-1004

May 29, 1984

Mr. T. G. Lainas, ROVEL Tech. Serv.
UNIROYAL, Inc.
World Headquarters
Middlebury, CT 06749

Dear Ted:

Thank you for your letter of May 10, 1984, in which you enclosed the information on the Johnson trials run in December 1982 on ROVEL capped PVC.

During your visit on 4/26/84, I told you that we would send you the 1983 extruded capped stock samples you delivered to us to our test deck for exposure, and that I would supply you with exposure numbers, so that you could reference this work in the future. The information for the October 1983 capped stock series follows:

<u>ROVEL SAMPLE I.D.</u>	<u>BBH-200 NUMBER</u>
#2 Gold	272.002
#3 Gold	273.002
#4 Blue	274.002
#5 Blue	275.002
#7 Brown	276.002.

These samples will be exposed on our test deck site at Norwood, Mass., and Shreveport, Louisiana on 6/1/84.

The following is the information you requested in regard to Bird's data on the December 1982 capped stock samples. Unfortunately, it appears that we did not expose your PVC Sample #6, Bird Brown; therefore, the following information is for Sample #7, Bird Blue, and Sample #8, Bird Gold.

<u>BBH-200 NO.</u>	<u>SUBSTANCE/ MANUFACTURER</u>	<u>MONTHS/ EXPOSURE</u>	<u>ΔE^X NORWOOD</u>	<u>ΔE^X SHREVEPORT</u>	<u>IMPACT STRENGTH NORWOOD</u>	<u>SHREVEPORT</u>
140.2	Rovel Gold Capstock, Sample #8	12	2.41	.70	1.7B	1.7B
Tested by Uniroyal/FL	Sample #8	12	2.54 (Fla.)			
142.2	Rovel Blue Capstock, Sample #7	12	1.61	3.70	1.7DB	1.5B
Tested by Uniroyal/FL	Sample #7		2.97 (Fla.)			

Bird & Son, Inc. / East Walpole, MA 02032 / Telephone (617) 668-2500

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Uniroyal, Inc.

I am concerned that the December 1982 samples are exhibiting brittle breaks after one year in the Dropped Dart Impact Test that we run. The magnitude of the result is normal, but we prefer to see ductile breaks rather than brittle breaks. You are wise to run chip impact tests to determine changes that are taking place, if any. Will this test show up ductile vs. brittle change in the characteristics of the panel?

If you have any questions, please give me a call.

Sincerely,

BIRD, INC.

James W. Jackson

JWJ/dh

cc: Mr. D. Burks - BRPT
Mr. D. Rupp - Bardstown

BIRD 014316