

Monsanto

FROM (NAME & LOCATION)

C. D. Bias, St. Louis Research Dept.

DATE

April 2, 1968

SUBJECT

Mead Packaging

REFERENCE

Work Request 68-26

TO

K. A. Wells - KWELL

cc: M.W. Farrar - Res 1
J. R. Darby - Res 2
W. K. Johnson - WJOHN
W. F. Waychoff - WWAYC
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E. C. Wilde - EWILD
J. A. Cannon - Res 3
A. W. M Coaker - Res 3
R. H. Mills - Res 3
N. W. Touchette - Res 3

Adhesives

We have determined the tensile properties on films prepared from resin samples sent from Mead Packaging. Plasticizers were added to the unmodified resins at the 10% level, based on weight of final product. The 25 mil wet films were drawn down, giving a dry film of about 10 mils. Tensile properties were determined on the Instron using a 1" Sambone die, and a speed of 20"/min.

	<u>Elongation</u> %	<u>100% Modulus</u> PSI	<u>Tensile</u> <u>Strength</u> PSI
Gelva TS-65(modified)	570	130	390
" + 10% S-218A	490	105	280
" + 10% B-40	440	110	260
Fuller resin (modified)	560	170	360
" + 10% S-218A	400	140	290
" + 10% B-40	360	140	270

There appears to be no significant difference in tensile properties of these films, whether made with Santicizer 218A or with Benzoflex 40.

Time: 16 hours

C. D. Bias

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