Monsanto

FROM (NAME—LOCATION—PHONE) J. H. Orem - Galt Labs - 1730

DATE : August 25, 1978

SUBJECT : THIOKOL
MELVIN A. SCHULMAN

REFERENCE :

TO : S. F. Hastay
1940

cc: T. G. Iversen - B3NC
A. W. Morgan
N. W. Touchette
W. T. Vreeland - B3NC
J. S. Williams - 1940

Al Morgan and I met with Mel Schulman on August 15. He was in St. Louis attending the SIGMA meeting.

Polysulfide Sealants for Insulated Glass:

In recent testing, the P-2 test, there were 18 failures out of 40 certified products that were evaluated. This is the moisture, UV test that many sealant producers are using. The concept for the test originated at PPG. From discussions with sealant manufacturers, we know most - if not all - pass Class C, and they are trying to reach Class A. Mel commented that actual experience shows sealants with 25 phr of Santicizer 278 are good even after 10-15 years of use - no fogging and low dew point.

Thiokol learned of problems encountered in Europe last Fall/Winter. Sealants were requiring excessive time to cure. Mel attributed this to variations in the polysulfide rubber.

Mel did not agree with our hypothesis of the chemistry related to the exudation upon heating of cured polysulfide sealants. Thiokol states this is related to some breakdown forming a 9 membered ring that will spontaneously polymerize into a waxy material.

Inmont has mentioned an incompatibility situation to Mel. He was to visit with Larry Strekken on August 16.

In measuring the affects of UV light on the sealants, he recommended we put the sealant under glass. Glass filters out UV between 3200 and 4100 Angstroms.

Urethane Printing Rolls:

The program involving XA-1014A is proceeding and is now being handled by Tony Castor (I assume Ted Grobelny is still involved). Their trials, at a roller manufacturer's plant, will take place in Baltimore, Md. A delay has been encountered as they resolve who pays and the amount to be paid.

JHO/gls

J. H. Orem

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