Monsanto

FROM (NAME & LOCATION) C. D. Bias - St. Louis Organic Research

DATE May 22, 1969

SUBJECT Celanese Coatings

REFERENCE Work Request 69-33

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Adhesives

We have completed the work with Poly-Tex CL-303 which you requested. We added 10% of each of the plasticizers used; 2 sets of 4 mil films were drawn down on stainless steel plates, and a thin film of Mylar was rolled on. The test plates were aged 24 hours, one set at constant temperature and humidity, the other immersed in tap water at room temperature. Peel tests were then run, no more than one hour elapsing before testing the water soaked samples. Results are:

	Peel Test (lbs)	
	Dry	Wet
Santicizer 218 A	0.12	0.02
Santicizer B-16	0.10	0.02
Santicizer 160	0.08	0.03
HB-40	0.3	0.04
Santicizer 148	0.5	0.02

Since Celanese's aim is to increase their adhesive strength of the system after water immersion to 50% of the strength dry, it is obvious from our data that simple addition of plasticizers is not the solution.

If you have any questions about this work, or wish to pursue it further, please call.

Chuck

C. D. Bias

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