Monsanto

FROM NAME & LOCATION: J. H. Brown - Galt 1730

DATE: June 27, 1973

SUBJECT: Mocan Composites

REFERENCE:

cc: A. W. Morgan 1730
R. W. Bucknell B3NB
M. W. Farrar R2E
J. R. Darby 1730

TO : L. O. Raether - B3NB

The two samples of Mocan foam X-299 (Chrysler) and X-295 (G.M.) were cut into 1/2" thick samples for the D.O.T. burn test. Five different fabrics were laminated to the samples using a common type glue (Elmers) for one set of samples and Monsanto super glue for the other. The formulation for the super glue is as follows:

Monflex 4814	50 PHR
Monflex 4500	50 PHR
XA-582	10 PHR
Sb_2O_3	4 PHR

These samples were conditioned in the C.T.H. room for two weeks then burned scrim side down in the D.O.T. test.

The results of the D.O.T. test are as follows:

X-299
Fabric Laminated With Super Glue

DOT	Polyester	Cerex	Yellow Jersey	White Jersey	Monkey Cloth
Inches Burned Rate - Inches/Min. Self Ext.	SENB	SENB	SENB	SENB	SENB

X-295
Fabric Laminated With Super Glue

Inches Burned Rate - Inches/Min. Self Ext.	SENB	SENB	SENB	SENB	SENB

DSW 587609

MN-10 REV. 11-65

STLCOPCB4092945

X-299

Fabric Laminated With Elmers Glue

DOT	Polyester	Cerex	Yellow Jersey	White Jersey	Monkey Cloth
Inches Burned	6		6	6	6
Rate - Inches/Min	2.7	SENB	3.0	2.8	2.1
Self Ext.	No		No	No	No

X-295

Fabric Laminated With Elmers Glue

Inches Burned	2		6	6	
Rate - Inches/Min.	5.2	SENB	2.4	2.9	SENB
Self Ext.	Yes		No	No	

J. H. Brown

P.S. A similar experiment will be run with Phosgard 2XC-20 as soon as required raw materials are acquired.

DSW 587610

STLCOPCB4092946