

TOP SECRET

NOV 12 1953

1* Review Date: 10/29/98	Determine (Circle Numbers)
Author: R. B. Craner	1 Classification Retained
and: R. B. Craner	2 Classification Changed to U
Review Date: not req'd per	3 Contains No DOE Classified Information
DDI/OD 8/7/97 memo, OK for removal.	4 Coordinate With
	5 Contains UCAI
	6 Document

Case No. 433.00  
 Ref. Symbol: 1611 ✓  
 Project No. ET-1523  
 Completed 6/15/53

MR. L. A. DUNN - 1284

Re: Shear Test of Adhesive

Object of Test

The object of the test was to determine the shear strength of EC870 cement when used to bond rubber to aluminum.

Function of Object Tested

The object tested was to be used to bond the protective surface of the H-192 and H-193.

Authorization for Test

The test was requested by Division 1284 in a Work Order Authorization dated June 12, 1953. The consultant was Mr. D. J. Nutt.

Procedure

The rubber samples were bonded between two 1-inch wide aluminum strips. The strips were inserted in the testing machine and tested in tension to shear the adhesive.

The equipment used was the Baldwin-Southwark universal testing machine (5000 lbs).

Results

Three samples were tested, each sample having one square inch of bonded surface. The shear strengths were 214, 220, and 236 psi.

H-192  
 H-193  
 412 32: [unclear]

SANJIA SYSTEMATIC DOCUMENT REVIEW	
CLASSIFICATION: U	R. B. Craner
PERSON CHANGING: Carmela Galligan 12/14/98	99SN0338
PERSON VERIFYING: WC [unclear] 12/16/98	10/29/98

FILE
H-192
32

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NOV 12 1953

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- 2 -

Ref. Symbol: 1611  
Project No. ET-1523

The consultant stated that the test qualified the adhesive for his particular use and that he did not know the type of rubber used in the test.

  
*J. A. Perry*  
Test Conducted by J. A. PERRY - 1611

Original Signed By  
R. L. WAGAR

Approved by R. L. WAGAR - 1611

JAP:1611:jf

Copy to:

A. F. Cone, 1510

T. B. Morse, 1610

K. O. Thorp, 1630

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J. M. Ralls, 1521-4 Attn: 1500 Drawing File 



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