

To C. B. WORKMAN
FROM W. A. WARREN

DATE October 20, 1977

DROP TEST SUMMARY

NYLAFIL TYPE 612 J4-45 1/4" FIBER

Chromed & Polished Mold with Carrier Dog Hole Filled			
Height	Number Times Hammer Fell / Sample 552 (I.D.)	Number Times Dropped (Top Impact) / Sample 572 (I.D.)	Control Aluminum
Four Feet	5 / 24 (#1)	0 / 18 (#1*) 0 / 2 (#A) 0 / 2 (#B) 1 / 2 (#C)	0 / 48
Three Feet	1 / 2 (#1)	_____	_____
Two Feet	1 / 10 (#1)	0 / 2 (#A) 1 / 2 (#B) 0 / 2 (#C)	_____
One Foot	0 / 10 (#1)	0 / 2 (#A) 0 / 2 (#B) 0 / 2 (#C)	_____
TOTAL:	9 / 82 or 11%		0 / 48

The May Operations Committee Meeting Minutes state that Drop Test results with Nylafil were OK.

The following changes have occurred since then. They are possible explanations for the significantly different results:

- From 610 to 612 Nylon
- From 3/8" to 1/4" fiber length
- To new Drop Test facilities -- impact target wall thought to be more massive
- Different molding conditions?
- Expected batch to batch variation?

WAW/nl

TO BE SAFE: FIRST THINK YOU MIGHT NOT BE