



Industrial Rubber Goods Division

1776 Hilltop Road
St. Joseph, Michigan 49085
(616) 983-7741

June 7, 1991

MEMO TO: Skip Eady

FROM: Tony Dlouhy

SUBJECT: Test Results Requested of Comparison
of Chardon Pressure Switch Hose versus
Polyvinyl and Hahn Elastomers

Please find recent samples of the subject Pressure Switch Tubing.
As you know, I would like to have your analysis of our Pressure
Switch Tubing versus our competitors. Your recent analysis of
our tubing, made from stock V-4001, showed the following:

	<u>* Whirlpool Spec.</u>	<u>Chardon Date Tested</u>	<u>Sample Results</u>
Tensile	2600 $\pm$ 10%	6/4	2440
Elongation	300 $\pm$ 10%		322
100% Modulus	1450 $\pm$ 10%		1355
Duro (Instantaneous)	75 $\pm$ 5		
(After 10 sec.)	70 $\pm$ 5		67

* Refer to Whirlpool Part # 3347777

The samples attached are identified as follows:

<u>Vendor</u>	<u># Of Marks</u>
Chardon Rubber	1
Polyvinyl Corp	11
Hahn Elastomers	111

CHARDO 01220

Memo to: Skip Eady
Page Two
6/7/91

In addition, we need to provide slabs and material on our vinyl compound V-4001. Please send these to my attention here at our St. Joseph plant for delivery to Whirlpool engineering.

Thank you.

Cordially,
Chardon Rubber Company
Industrial Rubber Goods Division


Tony Dibuh

cc: John Cross
Mike Leone

Attachment: Sample Pressure Switch Hoses

CHARDO 01221

V 4001 / 4013						6-14-91SP							
Print out						chart							
		T		E		D			T		E		D
Slab	1	2029		460					2014		385		69
	2	2032		497					2021		—		
	3	1973		493					1961		—		
Average		2011		483					1999		385		
Tube #1	1	1538		407					1524		423		81
	2	1708		518					1749		500		
	3	1709		577					1696		531		
Average		1652		501					1610		485		
Tube #2	1	1802		369					1826		371		83
	2	2173		492					2184		449		
	3	1630		446					1586		392		
Average		1868		436					1865		404		
Tube #3	1	2365		590					2332		608		83
	2	2311		575					2292		638		
	3	1655		428					1882		458		
Average		2110		531					2169		568		