ROUND ROBIN TEST DATA FOR BALLOT 68-5
FE MATERIALS - GRADE 5

	Proposed Spec.		Test Results (1)			
	Basic	Grade 5	1	2	3	4
Duro	30±5		34	35	36	40
Tensile, psi	1000		1200	1375	1365	1370
Elongation, %	500		840	860	820	850
Tear, pli		140	155	202	169	167
%Comp.Set,22/347°F	60	35	27(2)	27.5	29.4	21
Heat Aging,70/392°F						
Duro change	±15		0			
Tens.change, %	±30		-11			
Elong.change,%	-50		-26			
ASTM #3 Oil,70/302°F						
Vol.change,%	+80	+65	+53	+55		+51
Heat Aging,70/437°F						
Duro change		±10	+ 1	+ 5	0	0
Tens.change,%		-60	-26	-53	-37	-33
Elong.change,%		-60	-34	-45	-35	-29
ASTM #1 Oil,70/302°F						
Duro change		0 to -10	- 2	-13	- 8	- 5
Tens.change,%		-40	-16	-31	-27	-25
Elong.change,%		-40	-18	-24	-14	-18
Vol.change,%		0 to +20	+ 8	+10		+ 8
Water,70/212°F						
Duro change		± 5	+ 1	- 2		0
Vol.change,%		± 5	+ 4	+ 1		- 1

(1) Test data sources: 1. Dow-Corning, 2. Acushnet, 3. Rubber & Silicone, 4. Chrysler

(2) 70/302°F

Additional data from Dow on production batches:

Heat Aging, 70/437°F	Percent Change			Durometer, 10 batches	
	Duro	Tensile	Elongation		
	+1	-33	-26	31	33
	0	-26	-29	33	34
	+2	-31	-32	32	33
	0	-33	-30	34	35
	+2	-24	-27	29	32
	+1	-36	-36		

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