



MATERIAL DATA SHEET

Material ref: N2470

Description: 70 duro nitrile

**Evaluation of N2470 to specification ASTM D2000 M3CH714 A25
B14 E016 E036**

DERIVED FROM ASTM SLABS AND BUTTONS

	Test <u>Method</u>	Unit of <u>Measure</u>	Nominal <u>Value</u>	Obtained <u>Value</u>
Hardness	ASTM D2240	Shore A	70+/-5	74
Tensile Strength	ASTM D412	Mpa	>14	14.6
Ult. Elongation	ASTM D412	%	>250	310
Specific Gravity	ASTM D1817	G/cm3	1.24+/- .03	1.24
Compression Set 22hrs @ 100C	ASTM 395B	%	<25	9
Air Aging 70hrs @ 125C	ASTM D573			
Hardness Change		Shore A	0 to +15	+9
Tensile Change		%	+10 max	-25
Elong. Change		%	-50 max	-40
Oil Aging ASTM 1 Oil	ASTM D471 70 hrs @ 150C			
Hardness Change		Shore A	0 to +10	+7
Tensile Change		%	+1 max	-20
Elong. Change		%	-40	-40
Vol. Change		%	-15 to +5	-8
Oil Aging ASTM 3 Oil	ASTM D471 70 hrs @ 150C			
Hardness Change		Shore A	+/-10	-5
Tensile Change		%	-35 max	+13
Elong. Change		%	-35 max	-20
Vol. Change		%	0 to +25	+5

Conclusion:
N2470 meets the specification