



**MATERIAL DATA SHEET**

Material ref: N2270

Description: 70 duro nitrile

Meets: ASTM D2000 M2BG714 B14EA14EF11EF21EO14EO34

Typical Properties

	Test Method	Unit of Measure	Nominal Value	Obtained Value
<b>Hardness</b>	ASTM D2240	Shore A	70+/-5	70
<b>Tensile Strength</b>	ASTM D412	Mpa	>13	17.5
<b>Ult. Elongation</b>	ASTM D412	%	>270	370
<b>Compression Set</b> 22hrs @ 100C	ASTM 395B	%	25 max	18
<b>Oil Aging</b> <b>ASTM 1 Oil</b> 70 hrs @ 100C	ASTM D471			
Hardness Change		Shore A		+6
Tensile Change		%		-15
Elong. Change		%		-18
Vol. Change		%		-7
<b>Oil Aging</b> <b>ASTM 3 Oil</b> 70 hrs @ 100C	ASTM D471			
Hardness Change		Shore A		-7
Tensile Change		%		-26
Elong. Change		%		+3
Vol. Change		%		+16
<b>Immersion Test</b> <b>Fuel A</b> 70 hrs @ 23C	ASTM D471			
Hardness Change		Shore A		-5
Tensile Change		%		-20
Elong. Change		%		-15
Vol. Change		%		+8
<b>Immersion Test</b> <b>Fuel B</b> 70 hrs @ 23C	ASTM D471			
Hardness Change		Shore A		-16
Tensile Change		%		-43
Elong. Change		%		-43
Vol. Change		%		+24

DATA DERIVED FROM ASTM SLABS AND BUTTONS