



MATERIAL DATA SHEET

Material ref: N2249

Description: 70 duro nitrile/Self Lubricating
Typical Performance Properties

	Test Method	Unit of Measure	Nominal Value	Obtained Value
Hardness	ASTM D2240	Shore A	70+/-5	69
Tensile Strength	ASTM D412	Mpa	>13	18
Ult. Elongation	ASTM D412	%		378
Specific Gravity	ASTM D1817	G/cm3		1.227
Tear Resistance	ASTM D624	Mpa		40
Compression Set 22hrs @ 100C	ASTM 395B	%		8
ASTM 1 Oil 70 hrs @ 100C				
Hardness Change		Shore A		+4
Tensile Change		%		-8.5
Elong. Change		%		-16
Vol. Change		%		-4.1
Oil Aging ASTM 3 Oil 70 hrs @ 100C	ASTM D471			
Hardness Change		Shore A		+2
Tensile Change		%		-5.5
Elong. Change		%		-19
Vol. Change		%		-1.7
Immersion Test Fuel A 70 hrs @ 23C	ASTM D471			
Hardness Change		Shore A		-1
Tensile Change		%		-18
Elong. Change		%		-15
Vol. Change		%		+0.9
S.G. Change		%		+0.3
Immersion Test Fuel B 70 hrs @ 23C	ASTM D471			
Hardness Change		Shore A		-12
Tensile Change		%		-59
Elong. Change		%		-54
Vol. Change		%		+29
S.G. Change		%		+19

DATA IS DERIVED FROM ASTM SLABS AND BUTTONS