



MATERIAL DATA SHEET

Material ref: N2270

Description: 70 duro nitrile

Meets: ASTM D2000 M2BG714 B14EA14EF11EF21EO14EO34

Typical Properties

	<u>Test Method</u>	<u>Unit of Measure</u>	<u>Nominal Value</u>	<u>Obtained Value</u>
Hardness	ASTM D2240	Shore A	70+/-5	70
Tensile Strength	ASTM D412	Mpa	>14	17.5
Ult. Elongation	ASTM D412	%	>270	370
Compression Set 22hrs @ 100C	ASTM 395B	%	25 max	18
Oil Aging ASTM 1 Oil Hardness Change Tensile Change Elong. Change Vol. Change	ASTM D471 70 hrs @ 100C	Shore A % % %		+6 -15 -18 -7
Oil Aging ASTM 3 Oil Hardness Change Tensile Change Elong. Change Vol. Change	ASTM D471 70 hrs @ 100C	Shore A % % %		-7 -26 +3 +16
Immersion Test Fuel A Hardness Change Tensile Change Elong. Change Vol. Change	ASTM D471 70 hrs @ 23C	Shore A % % %		-5 -20 -15 +8
Immersion Test Fuel B Hardness Change Tensile Change Elong. Change Vol. Change	ASTM D471 70 hrs @ 23C	Shore A % % %		-16 -43 -43 +24

DATA DERIVED FROM ASTM SLABS AND BUTTONS