



MATERIAL DATA SHEET

Material ref: N2279

Description: 75 duro nitrile
(Low Compression Set/Peroxide Cure)

Typical Properties

	<u>Test Method</u>	<u>Unit of Measure</u>	<u>Nominal Value</u>	<u>Obtained Value</u>
Hardness	ASTM D2240	Shore A	75+/-5	75
Tensile Strength	ASTM D412	Mpa		16.1
Ult. Elongation	ASTM D412	%		230
Specific Gravity	ASTM D1817	G/cm3		1.257
Tear Resistance	ASTM D624	N/mm		19
Compression Set				
70 hours @ 125C	ASTM 395B	%		19
Air Aging	ASTM D573			
70hrs @ 125C				
Hardness Change		Shore A		+5
Tensile Change		%		-20
Elong. Change		%		-28
Vol. Change		%	0 to -5	Nil
Oil Aging	ASTM D471			
ASTM 1 Oil	70 hrs @ 125C			
Hardness Change		Shore A		+4
Tensile Change		%		-25
Elong. Change		%		-49
Vol. Change		%		-2
Oil Aging				
ASTM 3 Oil	ASTM D471			
Hardness Change	70 hrs @ 125C	Shore A		-9
Tensile Change		%		-3
Elong. Change		%		-16
Vol. Change		%		+14
Immersion Testing	ASTM D471			
H2O	70 hrs @ 100C			
Hardness Change		Shore A		-4
Tensile Change		%		-3
Elong. Change		%		-16
Vol. Change		%		+5

DATA DERIVED FROM ASTM SLABS AND BUTTONS