



TECNO-INVEST GROUP

MATERIAL DATA SHEET

Material ref: N2277

Description: 70 duro nitrile
(Low Compression Set/Peroxide Cure)

Typical Properties

	Test Method	Unit of Measure	Nominal Value	Obtained Value
Hardness	ASTM D2240	Shore A	70+/-5	73
Tensile Strength	ASTM D412	Mpa	>13	17
Ult. Elongation	ASTM D412	%	>250	265
Specific Gravity	ASTM D1817	G/cm3	1.24+/-0.03	1.239
Tear Resistance	ASTM D624	N/mm		18
Compression Set 70 hours @ 125C	ASTM 395B	%		18
Air Aging 70hrs @ 125C	ASTM D573			
Hardness Change		Shore A		+6
Tensile Change		%		-10
Elong. Change		%		-20
Vol. Change		%	0 to -5	Nil
Oil Aging ASTM 1 Oil 70 hrs @ 125C	ASTM D471			
Hardness Change		Shore A		+4
Tensile Change		%		-25
Elong. Change		%		-49
Vol. Change		%		-2
Oil Aging ASTM 3 Oil 70 hrs @ 125C	ASTM D471			
Hardness Change		Shore A		+9
Tensile Change		%		-3
Elong. Change		%		-16
Vol. Change		%		+14
Immersion Testing H2O 70 hrs @ 100C	ASTM D471			
Hardness Change		Shore A		-3
Tensile Change		%		nil
Elong. Change		%		-15
Vol. Change		%		+5.2

DATA DERIVED FROM ASTM SLABS AND BUTTONS