



MATERIAL DATA SHEET

Material ref: N2290

Description: 90 duro nitrile

Meets: ASTM D2000 M6BG910 A14B14EO14EO34EF11EF21

Typical Properties

	Test <u>Method</u>	Unit of <u>Measure</u>	Nominal <u>Value</u>	Obtained <u>Value</u>
Hardness	ASTM D2240	Shore A	90+/-5	87
Tensile Strength	ASTM D412	N/mm2(Mpa)	>10	18.4
Ult. Elongation	ASTM D412	%	>100	150
Specific Gravity	ASTM D1817	G/cm3		1.29+/-0.02
Compression Set 22hrs @ 100C	ASTM 395B	%		18
Heat Resistance 70hrs @ 100C	ASTM D573			
Hardness Change		Shore A	< +15	+3
Tensile Change		%	> -20	-2
Elong. Change		%	> -40	-48
Oil Aging ASTM 1 Oil	ASTM D471 70 hrs @ 100C			
Hardness Change		Shore A	-5 to +15	+4
Tensile Change		%	> -25	+2
Elong. Change		%	> -45	-30
Vol. Change		%	+5 to -10	-2
Oil Aging IRM #3 Oil	ASTM D471 70 hrs @ 100C			
Hardness Change		Shore A	0 to -20	-8
Tensile Change		%	> -45	-10
Elong. Change		%	> -45	-30
Vol. Change		%	0 to -5	+3
Fuel Resistance Fuel A	ASTM D471 70 hours @ 23C			
Hardness Change		Shore A	+/-10	+10
Tensile Change		%	-25	-1
Elong. Change		%	-25	-13