



MATERIAL DATA SHEET

Material ref: N2280

Description: 80 duro nitrile

Meets: ASTM D2000 M5BG814 A14B14B15EO14EO34

Typical Properties

	Test Method	Unit of Measure	Nominal Value	Obtained Value
Hardness	ASTM D2240	Shore A	80+/-5	80
Tensile Strength	ASTM D412	N/mm ²	>14	16.5
Ult. Elongation	ASTM D412	%	>180	260
Tear Resistance	ASTM D624	N/mm	>40	48
Compression Set 70 hrs @ 125C	ASTM 395B	%	<30	26
Compression Set 70hrs @ 100C	ASTM 395B	%	<20	16
Air Aging 72hrs @ 100C	ASTM D573			
Hardness Change		Shore A		+3
Tensile Change		%		+2
Elong. Change		%		-24
Vol. Change		%	0 to -5	-5.2
Oil Aging ASTM 1 Oil	ASTM D471 72 hrs @ 100C			
Hardness Change		Shore A		+4
Tensile Change		%		-5
Elong. Change		%		-19
Vol. Change		%		-4
Oil Aging ASTM 3 Oil	ASTM D471 72 hrs at 100c			
Hardness Change		Shore A		-5
Tensile Change		%		-1
Elong. Change		%		-14
Vol. Change		%		+6.2