



**MATERIAL DATA SHEET**

Material ref: N2480

Description: 80 duro nitrile

**Evaluation of N2480 to specification ASTM D2000 M3CH 810 A25**

**EO16**

**DERIVED FROM ASTM SLABS AND BUTTONS**

	Test Method	Unit of Measure	Nominal Value	Obtained Value
<b>Hardness</b>	ASTM D2240	Shore A	80+/-5	79
<b>Tensile Strength</b>	ASTM D412	N/mm <sup>2</sup>	>10	16.5
<b>Ult. Elongation</b>	ASTM D412	%	>125	225
<b>Specific Gravity</b>	ASTM D1817	G/cm <sup>3</sup>	1.29+/-0.02	1.29
<b>Air Aging</b>				
<b>70hrs @ 125C</b>				
Hardness Change	ASTM D573	Shore A	0 to +15	+10
Tensile Change		%	-25 max	+5
Elong. Change		%	-50 max	-33
<b>Oil Aging</b>				
<b>ASTM 1 Oil</b>				
Hardness Change	ASTM D471	Shore A	0 to +10	+7
Tensile Change	70 hrs @ 150C	%	-20 max	-5
Elong. Change		%	-40 max	-35
Vol. Change		%	-15 to +5	-5

**Conclusion:**

**N2480 meets the specification**