


<b>NBR/006</b>				
Material Data Sheet	Compound	<b>TN8097F</b>	Rev.0	
	Designation	<b>NBR80</b>	Jan. 2015	

**Material type:** Nitrile Butadiene Rubber 80 Shore A.  
FDA CFR21:177

**Color:** Blue

**Storage recommendation:** According to ISO 2230

Physical Properties	Unit	Test method	Requirement	Actual
Hardness, Shore A	pts	ASTM D2240	80+/-5	84,3
Tensile strength	MPa	ASTM D412C	>17	17,7
Ultimate Elongation	%	ASTM D412 C	>300	330
Specific gravity		ASTM D1817		1,485

Compression set, Method B				
22h at 100°C	%	ASTM D395B	<30	23

Water Resistance, 168h at 70°C				
Change in Hardness	pts	ASTM D471	<-10	-3,9
Change in Volume	%	ASTM D471	<10	6,5

Fluid Resistance, Sulfuric acid 1% , 168h at 70°C				
Change in Volume	%	ASTM D471	<10	8

Heat Resistance, air 70h at 100°C				
Change in Hardness	pts	ASTM D573	<8	1,7
Change in Tensile strength	%	ASTM D573	<-25	6
Change in Ultimate Elongation	%	ASTM D573	<-40	-6

The results given in this datasheet are obtained on standard specimen following standard test procedures and are not comparable to finished products due to differences in the products profile. It is the customer's responsibility to evaluate parts prior to use in order to assure that parts will perform satisfactorily in their application.