


NBR/001				 - Part of Diploma PLC
Material Data Sheet	Compound	N8019F	Rev.3B	
	Designation	NBR	Aug. 2012	

Material type: Nitrile Butadiene Rubber 80 Shore A. Copolymer of acrylonitrile and butadiene.
Extraction tested by independent laboratory in accordance with FDA CFR21:177.2600 and for biological response according to USP Class VI.
Also complies with the requirements of 3-A 18-03 Sanitary Standards Class II.

Color: Black
Temperature Range: Min. -40°C Max. +100°C
Storage recommendation: According to ISO 2230

Physical Properties	Unit	Test method	Value
Hardness, Shore A	pts	D2240	83.00
Modulus at 100%	MPa	D412	9.29
Specific gravity		D297	1.29
Heat Resistance, 70h at 100°C			
Change in Hardness	pts	D573	5.00
Change in Volume	%	D573	-3.00
Compression set, Method B			
22h at 100°C	%	D395	9.00
Oil Resistance, ASTM Oil No.1 , 70h at 100°C			
Change in Hardness	pts	D471	5.00
Change in Volume	%	D471	-8.00
Oil Resistance, ASTM Oil IRM 903 , 70h at 100°C			
Change in Hardness	pts	D471	-1.00
Change in Volume	%	D471	3.00
Oil Resistance, Reference Fuel A , 70h at 23°C			
Change in Hardness	pts	D471	-2.00
Change in Volume	%	D471	2.00
Oil Resistance, Reference Fuel AB, 70h at 23°C			
Change in Hardness	pts	D471	-16.00
Change in Volume	%	D471	20.00

For FDA test of Migration, we refer to SGS report no. CY/2005/80720
According to EU 1935/2004
USP Class VI Toksicon Report no. 06-5745-G1
3A 18-03 Class II Cerise report no. 461-(eng)/2020