

Name **BF-rated Nitrile Rubber Sheet (NBR)**
Code **NIS-BFSS-B50**
Spec **ASTM D2000 1BF510**

1. DIMENSIONS AND APPEARANCE

Thickness	in	1/32 - 2
Length	ft	5 - 300
Width	in	2 - 72
Surface finishing		Smooth finish, both sides
Color		Black

2. PHYSICAL PROPERTIES

Hardness	Shore A	50 ± 5	ASTM D2240
Tensile strength	psi (MPa), min	1000 (6.9)	ASTM D412
Elongation	%, min	250	ASTM D412
Heat resistance (100°C, 70h)			
Change in hardness	Shore A, max	± 15	ASTM D573/2240
Change in tensile	%, max	± 30	ASTM D573/412
Change in elongation	%, max	- 50	ASTM D573/412
Oil immersion (#903, 100°C, 70h)	vol%	≤ 60	ASTM D471
Compression set (100°C, 22h)	%, max	50	ASTM D395B
Low working temp	°F	- 30	
High working temp	°F	190	

3. TOLERANCES

TARGET THICKNESS, in (mm)	MINIMUM, mm	MAXIMUM, mm	WIDTH TOLERANCE, in
1/32 (0.8)	0.54	1.05	-0/+1
1/16 (1.6)	1.21	1.97	-0/+1
3/32 (2.4)	2.00	2.76	-0/+1
1/8 (3.2)	2.79	3.56	-0/+1
3/16 (4.8)	3.95	5.58	-0/+1
1/4 (6.4)	5.54	7.16	-0/+1
3/8 (9.5)	8.71	10.34	-0/+1
1/2 (12.7)	11.51	13.89	-0/+1
5/8 (15.9)	14.4	17.48	-0/+1
3/4 (19.1)	16.69	21.41	-0/+1
1 (25.4)	22.86	27.94	-0/+1