

Product **FDA White Nitrile Rubber Sheet (NBR), NIS-FDA-SS-Wxx**

1. DIMENSIONS AND APPEARANCE

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

2. PHYSICAL PROPERTIES

		NIS-FDA-SS-W40	NIS-FDA-SS-W50	NIS-FDA-SS-W60	
Hardness	Shore A	40 ± 5	50 ± 5	60 ± 5	ASTM D2240
Tensile strength, min	psi (MPa)	870 (6.0)	725 (5.0)	725 (5.0)	ASTM D412
Elongation, min	%	400	350	300	ASTM D412
Compression set (70°C, 22h), max	%	50	50	20	ASTM D395B
Working temp range	°F	-22 to 176	-22 to 176	-22 to 176	

**Note: NIS-FDA-SS meets FDA regulation 21 CFR 177.2600 for rubber articles intended for repeated use.*

3. TOLERANCES

THICKNESS, in (mm)	MIN, mm	MAX, mm
1/32 (0.8)	0.54	1.05
1/16 (1.6)	1.21	1.97
3/32 (2.4)	2.00	2.76
1/8 (3.2)	2.79	3.56
3/16 (4.8)	3.95	5.58
1/4 (6.4)	5.54	7.16

THICKNESS, in (mm)	MIN, mm	MAX, mm
3/8 (9.5)	8.71	10.34
1/2 (12.7)	11.51	13.89
5/8 (15.9)	14.4	17.48
3/4 (19.1)	16.69	21.41
1 (25.4)	22.86	27.94

WIDTH TOLERANCE, in
-0/+1 for all thicknesses