

# BLACK NITRILE

Commercial Grade

## 60 Duro Nitrile / Plate Finish / Trimmed



Tensile Strength: 1000 PSI

Elongation: 420%

Durometer: 60 +/- 5 deg

Color: Black

Temp. Range: -30F to +200F

<u>Gauge</u>	<u>Width</u>	<u>Ln. Ft/Roll</u>	<u>Sq. Yds/Roll</u>	<u>Lbs/Roll</u>	<u>Item Code</u>
1/32"	36"	50'	16.6	39	NBR-1-36
1/16"	36"	50'	16.6	77	NBR-2-36
3/32"	36"	50'	16.6	117	NBR-3-36
1/8"	36"	50'	16.6	154	NBR-4-36
3/16"	36"	50'	16.6	231	NBR-6-36
1/4"	36"	50'	16.6	308	NBR-8-36
3/8"	36"	50'	16.6	462	NBR-12-36
1/2"	36"	50'	16.6	616	NBR-16-36
5/8"	36"	50'	16.6	770	NBR-20-36
3/4"	36"	50'	16.6	924	NBR-24-36
1"	36"	50'	16.6	1078	NBR-32-36

<u>Gauge</u>	<u>Width</u>	<u>Ln. Ft/Roll</u>	<u>Sq. Yds/Roll</u>	<u>Lbs/Roll</u>	<u>Item Code</u>
1/32"	48"	50'	22.2	52	NBR-1-48
1/16"	48"	50'	22.2	104	NBR-2-48
3/32"	48"	50'	22.2	156	NBR-3-48
1/8"	48"	50'	22.2	208	NBR-4-48
3/16"	48"	50'	22.2	312	NBR-6-48
1/4"	48"	50'	22.2	416	NBR-8-48
3/8"	48"	50'	22.2	623	NBR-12-48
1/2"	48"	50'	22.2	831	NBR-16-48
5/8"	48"	50'	22.2	1040	NBR-20-48
3/4"	48"	50'	22.2	1248	NBR-24-48
1"	48"	50'	22.2	1661	NBR-32-48

<u>Gauge</u>	<u>Width</u>	<u>Ln. Ft/Roll</u>	<u>Sq. Yds/Roll</u>	<u>Lbs/Roll</u>	<u>Item Code</u>
1/32"	72"	50'	33.2	78	NBR-1-72
1/16"	72"	50'	33.2	154	NBR-2-72
3/32"	72"	50'	33.2	234	NBR-3-72
1/8"	72"	50'	33.2	308	NBR-4-72
3/16"	72"	50'	33.2	462	NBR-6-72
1/4"	72"	50'	33.2	616	NBR-8-72

*Additional sizes available in 72" -- Call Customer Service*



**NBR**

**PHYSICAL PROPERTIES**

COMPOUND#	NBR-1			
POLYMER	NBR			
ASTM METHOD	DESCRIPTION	TYPICAL VALUE	UNITS	
D2240	HARDNESS	61	SHORE A	
D412	100%MODULUS	390	PSI	
D412	300%MODULUS	1100	PSI	
D412	TENSILE	1000	PSI	
D412	ELONGATION	420%	%	
D624	TEAR	240	LBS/IN	
D1630	NBS ABRASION	61	%	
D2137	COLD TEMPERATURE	-34	'C	
D1171	OZONE RESISTANCE	70 HOURS @ 40°C 50	PPHM 3	3 RATING
D257	VOLUME RESISTIVITY		Ohm-cm	
D395B	COMPRESSION SET	22 HOURS	@ 100°C	18%
D2084	CURED @ 151°C T2		min.	
	CURED @ 151°C T95		min.	
D1646	MOONEY SCORCH 135°C		min.T5	
D1646	VISCOSITY 100°C		ML4	
D573	HEAT AGING	70 HOURS	@ 100°C	
	CHANGED-HARDNESS	3	POINTS	
	CHANGED-TENSILE	4	%	
	CHANGED-ELONGATION	-17	%	
D471	OIL AGING #3 OIL	70 HOURS	@ 100°C	
	CHANGED-HARDNESS	-3	POINTS	
	CHANGED-TENSILE	-1	%	
	CHANGED-ELONGATION	-18	%	
	CHANGED-MASS	2	%	
	CHANGED-VOLUME	3	%	

THICKNESS	TOLERANCE	WIDTH	TOLERANCE
1/32" = 0.031	0.027~0.039	36"	±0.25"
1/16" = 0.063	0.055 ~ 0.071	48"	±0.30"
3/32" = 0.094	0.087 ~ 0.102	52"	±0.35"
1/8" = 0.125	0.118 ~ 0.134	72"	±0.50"
3/16" = 0.189	0.177 ~ 0.201		
3/64" = 0.047	0.039 ~ 0.055		
1/4" = 0.252	0.240 ~ 0.264		
3/8" = 0.374	0.358 ~ 0.390		
1/2" = 0.5	0.472 ~ 0.532		
3/4" = 0.748	0.709 ~ 0.787		
1" = 1	0.945 ~ 1.055		