

Name **AASHTO Neoprene (CR) Rubber Sheet**
Code **33-NES-AASHTO-B60**

1. DIMENSIONS AND APPEARANCE

Thickness	in	1/16 - 1
Length	ft	50, 25
Width	in	48
Surface finishing		Smooth finish, both sides
Color		Black

2. PHYSICAL PROPERTIES

Hardness	Shore A	60 ± 3	ASTM D2240
Shear Modulus	psi	144-176	ASTM D4014
Tensile strength	psi, min	2700	ASTM D412
Elongation	%	400	ASTM D412
Heat resistance (100°C, 70h)			
Change in hardness	Shore A, max	± 10	ASTM D573
Change in tensile	%, max	- 10	ASTM D573
Change in elongation	%, max	- 30	ASTM D573
Ozone (100pphm, 96h, 20%)	No Cracks	Pass	ASTM D1149
Compression Set (100°C, 22h)	%, max	30	ASTM D395, Method B
Oil immersion	% vol, max	120	ASTM D471
Tear Strength	lb/in, min	200	ASTM D624
Low Temperature Brittleness (-40°C)	No Failure	Pass	ASTM D2137
Low Temperature Brittleness (-40°C)	No Failure	Pass	ASTM D746
Thermal Stiffening		No more than 4 times	ASTM D1043
Low Temperature crystallization		No more than 4 times	AASHTO table

3. TOLERANCES

TARGET THICKNESS, in (mm)	MINIMUM, mm	MAXIMUM, mm	WIDTH TOLERANCE, in
1/16 (1.6)	1.21	1.97	-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
3/4 (19.1)	16.69	21.41	-0/+1
1 (25.4)	22.86	27.94	-0/+1