

Name **Neoprene Rubber (CR)**
 Code **NEO-1751Z-SS-B70**
 Spec **1751Z-SEO-0100 (section 5.2 exempt)**

1. DIMENSIONS AND APPEARANCE

Thickness	mm	1.5
Length	ft	50
Width	in	36
Colour		Black

2. PHYSICAL PROPERTIES

Hardness	Shore A	70 ± 5	ASTM D2240
Tensile strength	psi (MPa)	711 (4.9)	ASTM D412
Elongation	%	200	ASTM D412
Heat resistance (100°C, 70h)			
Change in hardness	Shore A, max	± 15	ASTM D573/2240
Change in tensile	%, max	- 15	ASTM D573/412
Change in elongation	%, max	- 40	ASTM D573/412
Oil swell (#901)	vol%	-5 to +10	ASTM D471
Oil swell (#903)	vol%	+30 to +100	ASTM D471
Compression set (70°C, 22h)	% max	25	ASTM D395 Method B
Ozone (40°C, 70h, 20%, 50 pphm)		No cracks	ASTM D1149

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