

Name **Chlorosulphonated Polyethylene (Hypalon) Sheet**  
Code **HYS-SS-Bxx**

### 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

		<i>HYS-SS-B50</i>	<i>HYS-SS-B60</i>	
Hardness	Shore A	50 ± 5	60 ± 5	ASTM D2240
Tensile strength	psi (MPa)	1100 (7.5)	1100 (7.5)	ASTM D412
Elongation	%	300	300	ASTM D412
Heat resistance (100°C, 70h)				
Change in hardness	Shore A, max	± 15	± 15	ASTM D573/2240
Change in tensile	%, max	± 30	± 30	ASTM D573/412
Change in elongation	%, max	- 50	- 50	ASTM D573/412
Compression set (70°C, 22h)	%	30	30	ASTM D395B
Tear strength	ppi (N/mm)	165 (28.9)	165 (28.9)	ASTM D624 Die C
Low working temp	°F	- 22	- 22	
High working temp	°F	248	248	

### 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