

Name Commercial Grade Soft Silicone Sponge
Code 30-SIL-SPGS

1. DIMENSIONS AND APPEARANCE

Thickness	in	1/16 - 1/2
Length	ft	25 - 100
Width	in	36
Surface finishing		Fabric finish, both sides
Color		Red orange, grey, black

2. PHYSICAL PROPERTIES

Property	Unit	Limit	Typical	Test Method
Compression deflection (25%)	kPa (psi)	21-55 (3-8)	28 (4)	ASTM D1056
Density, thickness <6.4mm	kg/m ³ (pcf)	690 (43) max.	475 (30)	ASTM D1056
Density, thickness ≥6.4mm	kg/m ³ (pcf)	550 (34) max.	430 (27)	ASTM D1056
Compression set (22h, 100°C)	%	60 max.	4	ASTM D1056
Tensile strength	kPa (psi)	225 (33) min.	283 (41)	ASTM D412
Elongation	%	150 min.	259	ASTM D412
Low temperature flexibility	°C (°F)	-55 (-67)	-75 (-103)	ASTM D1056
Temperature range	°C (°F)	-73 to 233 (-99 to 451)	-75 to 235 (-103 to 455)	

3. TOLERANCES

TARGET THICKNESS, in (mm)	MINIMUM, mm	MAXIMUM, mm
1/16 (1.6)	1.30	1.90
3/32 (2.4)	2.10	2.70
1/8 (3.2)	2.80	3.60
3/16 (4.8)	4.40	5.20
1/4 (6.4)	6.00	6.80
3/8 (9.5)	9.00	10.00
1/2 (12.7)	12.20	13.20

Length tolerance +free / -0
Width tolerance +free / -0