

Name 1-Ply Fiberglass Insert Silicone Sheet Rubber
Code 81-SILF1-SS
Spec AMS3320H

1. DIMENSIONS AND APPEARANCE

Thickness	in	1/16 - 1/8
Typical length	ft	50
Typical width	in	36
Surface finishing		Smooth finish, both sides
Color		Red/orange

2. PHYSICAL PROPERTIES

Hardness	Shore A	70 ± 10	ASTM D2240
Breaking strength	ppi	300 min.	ASTM D751
Oil resistance (#1, 175°C, 70h)			
Change in hardness	Shore A	-15 to +5	ASTM D471/2240
Change in volume	%	0 to +10	ASTM D471
Heat resistance (225°C, 22h)			
Change in hardness	Shore A	-5 to +10	ASTM D573
Bend/cracking		No cracking	AMS3320H
Compression set (175°C, 22h)	%	35 max.	ASTM D395, B
Low-temp resistance (-55°C, 5h)			
Flex		Pass	ASTM D2137, B
Delamination		None	AMS3320H
Ozone resistance (50mPa, 40°C, 7d)		No cracking	ASTM D1149, B, B2

3. FABRIC PROPERTIES

Breaking strength, warp	ppi	190 min.
Breaking strength, weft	ppi	160 min.
Fabric density	oz/sqyd	12
Thread count	per inch	20X18

4. TOLERANCES

TARGET THICKNESS, in (mm)	MINIMUM, mm	MAXIMUM, mm	WIDTH TOLERANCE, in
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