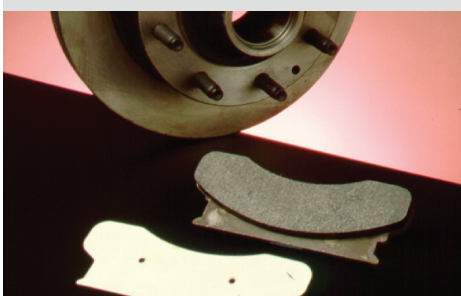
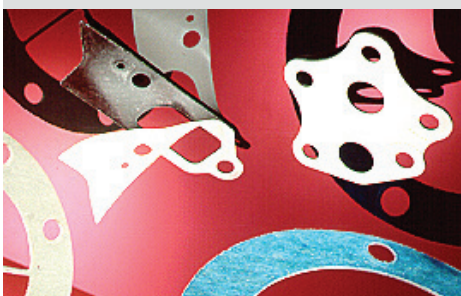


Silicone adhesives can be ideal solutions for applications that require extremely aggressive permanent adhesives. FLEXcon offers two classes of silicone adhesives: Densil® and FLEXcon® SA6000, which are engineered to withstand difficult environments and stresses.



#### Applications:

- Brake shims
- Gasketing and sealing
- Vibration damping
- Sterilization gauges

## Performance Benefits of Silicone Adhesives:

- Withstand extremely high- and low- temperatures
- Exceptional noise and vibration damping
- Adhere to metals, low surface energy plastics and silicone foam and rubber

## Features and Benefits:

### Densil®:

- Engineering grade, high-performance, permanent silicone pressure sensitive adhesive
- Survivability temperature up to 500°F (260°C)
- Low tack
- Short-term exposure temperature range up to 800°F (427°C) to 1000°F (538°C)(less than one hour)
- Superior adhesion to metals

### FLEXcon® SA6000:

- Engineering grade, high-performance, permanent silicone pressure sensitive adhesive
- Survivability temperature up to 500°F (260°C)
- Moderate tack – good quick stick capabilities
- Short-term exposure temperature range up to 800°F (427°C) (less than one hour)
- Excellent adhesion to metals and low surface energy plastics and silicone foam and rubber

## Meeting your Requirements:

- Available in 1, 2, 3 and 4 mil coat weights on a made-to-order basis with a minimum order quantity
- Adhesive thickness and release liners can be customized to comply with different converting and assembly processes
- Flexible order quantities

## Densil® Series

Physical Properties		Value		Test Method
<b>Thickness (Mils{microns})</b>	<b>Densil 20</b>	<b>Densil 40</b>		
Adhesive	1.9-2.1 (48-53) +/- 0.2 (5)	3.8-4.2 (97-107) +/- 0.2 (5)		ASTM D 3652
Adhesion Properties		Value		Test Method
<b>Adhesion From</b>	<b>Densil 20 Average</b>	<b>Densil 40 Average</b>		<b>ASTM D 903</b>
	Oz/in (N/m)	Oz/in (N/m)		(Modified for 72 hr dwell time)
Stainless Steel	78 (858)	102 (1122)		
Acrylic	75 (825)	95 (1045)		
Glass	74 (814)	98 (1078)		
Aluminium	76 (836)	100 (1100)		
ABS	70 (770)	82 (902)		
Polycarbonate	68 (748)	87 (957)		
Polypropylene	40 (440)	81 (891)		
Product Data		Value		Test Method
	<b>Densil 20</b>	<b>Densil 40</b>		
<b>Expected Shear (hours)</b>	70°F (21°C): 600+ 158°F (70°C): 20 347°F (175°C): 2	70°F (21°C): 600+ 158°F (70°C): 20 347°F (175°C): 2		ASTM D 3654 Method A (1 hr dwell, 1 sq. in, 4 lb. load)
<b>Tack (gm/sq cm)</b>	570	800		ASTM D 2979

**Expected Exterior Life** Depends on substrates  
**Service Temperature Range** -300°F to 500°F (-185°C to 260°C)  
**Minimum Application Temperature** 50°F (10°C)  
**Storage Stability** Six months stored at 70°F (21°C) and 50% RH

## FLEXcon® SA6000 Series

Physical Properties		Value		Test Method
<b>Thickness (Mils{microns})</b>	<b>SA6002</b>	<b>SA6004</b>		
Adhesive	1.9-2.1 (48-53) +/- 0.2 (5)	3.8-4.2 (97-107) +/- 0.2 (5)		ASTM D 3652
Adhesion Properties		Value		Test Method
<b>Adhesion From</b>	<b>SA6002 Average</b>	<b>SA6004 Average</b>		<b>ASTM D 903</b>
	Oz/in (N/m)	Oz/in (N/m)		(Modified for 72 hr dwell time)
Stainless Steel	80 (880)	120 (1320)		
Acrylic	75 (825)	140 (1540)		
Glass	77 (847)	151 (1661)		
Aluminium	51 (561)	138 (1518)		
Product Data		Value		Test Method
	<b>SA6002</b>	<b>SA6004</b>		
<b>Expected Shear (hours)</b>	40	50		ASTM D 3654 Method A (1 hr dwell, 1 sq. in, 4 lb. load)

**Expected Exterior Life** Depends on substrates  
**Service Temperature Range** -300°F to 500°F (-185°C to 260°C)  
 Short term exposure temperatures 800°F (427°C) for <1 hr  
**Minimum Application Temperature** 50°F (10°C)  
**Storage Stability** Three months stored at 70°F (21°C) and 50% RH

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