

FLEXcon® SA Series

Silicone Adhesive Transfer, Single-, and Double-Coated Tapes



High-performance silicone adhesives offer an ideal solution for applications where traditional acrylic adhesives may not provide the performance to withstand the stresses of demanding applications. FLEXcon's Silicone Adhesive Series includes four unique adhesive families with adhesion options ranging from removable to ultra permanent. Each adhesive in the series can be manufactured into a customized product to meet your needs for markets including Industrial, Durables, Transportation, Construction & Energy, Aerospace, Automotive and Aviation. Whether you need label stock or a laminating adhesive to absorb vibrations, we have the product to meet your needs.

Removable

FLEXcon® SA1000 Series (SA1000, SA1200, SA1500)

- Adhesives within this series offer clean removability as well as performance at temperatures as high as 500°F (260°C)
- Each adhesive offers superior adhesion and wet-out for ultra-clear applications to smooth surfaces, while providing consistent, clean, and quiet removability.
- Low and consistent peel values, ideal for long-term and high-temperature masking.
- Recommended Applications: Electronic Screens, High-Temperature Masking, Low-Tack Protection Film

Permanent

FLEXcon® SA3000 Series

- This adhesive series offers high tack and adhesion values, providing a quick stick to reduce assembly time.
- Product is ideal for moderate temperature ranges
- Bonds exceptionally well to difficult to stick to materials such as silicone foam & sponges as well as various LSE plastics.
- Recommended Applications: Industrial Assembly, Gasketing and Sealing, Siliconized Surface Labeling, and Silicone-Encased Electronics

FLEXcon® SA6000 LR Series

- SA6000 LR adhesives offer moderate tack with high peel and shear performance
- Products are ideal for temperature extremes of -300°F to 500°F (-185°C to 260°C) with short-term exposure ranges up to 800°F (427°C) for less than one hour.
- Excellent adhesion to metals, low-surface energy plastics, silicone foam, and rubber
- Recommended Applications: High-Temperature Bonding and Industrial Assembly - Specifically High-Speed Dispensing Applications, Siliconized Surface Labeling, Gasketing and Sealing, Sterilization Gauges, Transit Manufacturing, Aerospace Assembly, and Flexible Heaters

FLEXcon® SA9000D (Densil®) Series

- SA9000D adhesives offer low tack with high-performance ultimate peels and high shear values for demanding applications.
- Products are ideal for high-temperature extremes of -300°F to 500°F (-185°C to 260°C) with short-term exposure ranges of 800°F (427°C) to 1000°F (538°C) for less than one hour.
- Superior adhesion to metals
- Recommended Applications: High-Temperature Bonding, High-Temperature Laminating Films, Vibration Damping (Automotive Brake Pad, Hard Drives, Motor Mounts), Transit Manufacturing, Industrial & Aerospace Assembly, Gasketing and Sealing, and Flexible Heaters

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Performance

Adhesive Series	Peel (SS)	Shear	Tack	High Temperature
SA1000	1	M	1	500°F (260°C)
SA1200	1	M	1	500°F (260°C)
SA1500	1	H	2	500°F (260°C)
SA3000	3	M	5	302°F (150°C)
SA6000 LR	5	H	6	500°F (260°C) Up to 800°F (427°C)
SA9000D	5	H	3	500°F (260°C) Up to 1000°F (538°C)
	1 Very Low < 14 oz/in 2 Low 15 to 34 oz/in 3 Medium 35 to 54 oz/in 4 Medium High 55 to 74 oz/in 5 High 75 to 94 oz/in 6 Very High > 95 oz/in	L = Low < 10 hrs M = Medium 10 to 100 hrs H = High > 100 hrs	1 Very Low < 100 g/sq cm 2 Low 101 to 400 g/sq cm 3 Medium 401 to 550 g/sq cm 4 Medium High 551 to 700 g/sq cm 5 High 701 to 799 g/sq cm 6 Very High > 800 g/sq cm	

Product Formats

Adhesive Series	Single-Coated Tape	Double-Coated Tape	Transfer Tape
SA1000	●	●	
SA3000	●	●	
SA6000 LR	●	●	●
SA9000D	●	●	●

Double-coated tapes can be offered with the same or different adhesive on either side. For instance, SA3000 can be offered on one side of a double-coated tape with a general-purpose acrylic adhesive on the other. Similarly, the removable SA1000 can be on one side and permanent SA6000 LR on the other.

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Standard Products (Customized Solutions Available)

Adhesive Series	Product Format				Quick-Ship	FLX	Description
	Label Substrate	Single-Coated	Double-Coated	Transfer Tape			
SA1000		●				FLX058733	FLEXmark® PM 500 CLEAR PTP SA1000 M-300-W
		●				FLX059849	FLEXmark® OM 200 CLEAR SA1000 M-300-W (1.1-1.2)
SA3000	●	●				FLX059740	THERMLfilm® PM 200 WHITE TC-716 SA3000 200 POLY FSR MT
			●		●	FLX054149	FLEXcon® 2178SL DLC-503-78MO
			●		●	FLX054150	FLEXcon® 2201SL DLC-503-80RH
			●			FLX054516	FLEXcon® 2378SL DLC-503-PT
			●			FLX067867	FLEXmount® DFM 100 SA3000 200 POLY FSR
SA6000 LR	●	●				FLX069175	FLEXmark® PM 200 WHITE TC-716 SA6000 200 POLY FSR
				●		FLX051117	FLEXcon® SA6101 LR
				●		FLX029186	FLEXcon® SA6102 LR
				●		FLX051754	FLEXcon® SA6104 LR
SA9000D (Densil®)		●				FLX066800	FLEXmark® PI 100 AMBER SA9000D 200 POLY FSR
				●		FLX027403	Densil® 10 78K 200POLY WHITE-9
				●		FLX024988	Densil® 20 78K 200 POLY H-9
				●		FLX006621	Densil® 30 78K 200POLY WHITE-9
				●		FLX019565	Densil® 40 78K 200 POLY H-9

Learn more about the FLEXcon® SA Series and other FLEXcon® products at www.FLEXcon.com