



Starflex 5002

Material Description	Stargraf 5001 is a high-performance gasket material made from natural graphite sheet and a stainless steel tang foil reinforcement. The tang reinforcement provides improved strength and dimensional stability compared to conventional graphite sheets, while maintaining the excellent sealing performance of graphite. The result is a product that withstands higher temperatures and pressures.
Application	Starflex 5002 is commonly used to make gaskets for sealing applications, including flange connections, pumps, valves, and heat exchangers. It is suitable to seal against steam, exhaust, water, gases, oils, hydrocarbons, and alkalis.
Temperature	-240 C to 500 C (- 400F to 932 F) (Peak) 200 C (400F) (Maximum Continuous)
Pressure	130kg/cm ² (1,850 psi), class 150 and class 300 applications
Physical Properties	<i>For 1.5mm (1/16") thickness</i>
Carbon Content (ASTM C-571)	>98%
Density Graphite (ASTM F1315)	1 min gm/cm ³
Compressibility (ASTM F36)	45% Min
Recovery (ASTM F36)	10% Min
Sulfur Content (ASTM C-816)	<900ppm
Chlorine Content	<50ppm
Fluorine Content	<50ppm
Design	2
m	2,500 psi
y	
Availability	Size: 40" x 40", 60" x 60"
	Thickness: 1/16" to 1/8"

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