

HOMOGENEOUS GRAPHITE SHEET w/ PSA

9901

PHYSICAL PRODUCT DATA

Temperature: Minimum	-328°F (-200°C)
Maximum:	
In Air	900°F (480°C)
In Steam	1200°F (650°C)
In Reducing / Inert Media	5400°F (3000°C)
Pressure Limits:	2000 psi (140 bar)
pH Range:	0 – 14
Physical Properties:	
Compressibility	45% (Tested under 5000 psi)
Recovery	20% (Tested under 5000 psi)
Creep Relaxation	5%
Tensile Strength	700 psi
Compressive Strength	35,000 psi
Density	62.4 lbs. per cu. ft.
Chemical Composition:	
Carbon Content	98% minimum
Total Sulfur	1200 ppm maximum
Leachable Chlorides	50 ppm maximum
Available Sheet Sizes:	
Thicknesses	1/64", 1/32", 1/16", 1/8"
Sheet Size	39.4" x 39.4"
Note: Rolls 108 feet long are available in 1/64" and 1/32" thickness, 60" wide.	

Construction & Application Parameters

Style 9901 flexible homogeneous graphite sheet is made from exfoliated graphite flake which is compressed into foil by a carefully controlled calendering process and then a pressure sensitive adhesive is added to one side. The expanded flake particles are mechanically joined together without the use of fibers, binders or other additives. Sheets of foil are then bonded by adhesive and laminated to the required thickness. It is resistant to chemical attack by virtually all organic and inorganic fluids with the exception of concentrated, highly oxidizing acids. Style 9901 will seal with low to moderate bolt loads, is highly conformable to irregular flange surfaces and usually does not require re-torquing because of its very low creep relaxation. The adhesive aids in applications where placement to a flange without movement is critical.