

**PRODUCT DATA SHEET** 

## HOMOGENEOUS GRAPHITE SHEET w/ PSA

9901

## PHYSICAL PRODUCT DATA

Temperature:			-328°F	-328°F (-200°C)	
	Maximum:		0000	- (10000)	
	In Ai	-		= (480°C)	
	In St			= (650°C)	
	In Re	educing / Inert Media	5400°F	= (3000°C)	
Pressure Limits:			2000 p	2000 psi (140 bar)	
pH Range:			0 – 14	0 – 14	
Physical Prope	erties:				
Compressibility			45%	(Tested under 5000 psi)	
Recovery			20%	(Tested under 5000 psi)	
Creep Relaxation			5%		
Tensile Strength			700 ps	700 psi	
Compressive Strength			35,000	35,000 psi	
Density			62.4 lb	62.4 lbs. per cu. ft.	
Chemical Com	position:				
Carbon Content			98% m	98% minimum	
Total Sulfur			1200 p	1200 ppm maximum	
Leachable Chlorides			50 ppm maximum		
Available Shee	et Sizes:				
Thicknesses			1/64",	1/64", 1/32", 1/16", 1/8"	
Sheet S	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.

Properties and application parameters shown are typical and are presented in good faith but no warranty is expressed or implied. This edition supersedes all previous issues and all data is subject to change without notice. ASTM tests are in accordance with ASTM F104 and properties are based on 1/32" sheet thickness (except as noted). 01-07 MASTER PACKING & RUBBER COMPANY CEDAR RAPIDS, IOWA 52404 <u>www.mprcseals.com</u> 800-397-3429