

PRODUCT DATA SHEET 9140

Expanded Cellular PTFE Sheet

PHYSICAL PRODUCT DATA

Common Applications:	Water, steam, gases, strong acids, strong caustics, chlorine, Hydrocarbons, and glass-lined flanges.
Max. Temperature Rating:	500°F
Standard Gauges:	1/32" x 47" x 47", 1/16" & 1/8" x 62" x 62"

STYLE #9140 is an expanded cellular PTFE gasket sheet with physical properties to be used in the most demanding applications. Its specific construction of virgin PTFE allows for easily fabricated gaskets that are ideal for warped or scratched flanges and reduces both creep and cold flow in service.

PHYSICAL TEST ORIGINAL PROPERTIES METHOD	TYPICAL VALUES	TEST	
Compression @ 5000 psi	70 - 80%	ASTM F-36	
Recovery (minimum %)	8%	ASTM F-36	
Creep Relaxation (maximum %)	0 - 10%	ASTM F-38B	
Gas Permeability (Nitrogen in cc/min.)	0.04	DIN 3535	
Service Temperature	-350°F to + 500	-350° F to $+500^{\circ}$ F	
Service Pressure, Maximum	1200 psi		
pH Range	0 to 14		
P x T (psig x F°) Maximum for 1/16" Thickness	350,000		
P x T (psig x F°) Maximum for 1/8" Thickness	250,000		

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). © 01-2015 MASTER PACKING & RUBBER COMPANY CEDAR RAPIDS, IOWA 52404 www.mprcseals.com 800-397-3429