

METALASTIC™ and PORCUPINE METALASTIC™

EMI Gasketing with Pressure Seal



METALASTIC

EMI Gasketing with Pressure Seal

Parker Chomerics METALASTIC gasketing is a composite EMI and pressure seal in thin sheet form. Shielding is provided by a woven aluminum mesh, and pressure sealing is achieved by neoprene, silicone or fluorosilicone elastomer impregnated in the mesh.

METALASTIC gasketing is intended for use only in applications in which joint unevenness is less than 0.002 in. (0.05 mm), and/or where space is severely limited. The material can be easily cut into gaskets of intricate shapes, and is available with a minimum nominal thickness of 0.016 in. (0.40 mm). These gaskets are not intended to be re-used after joints are opened.

Contact Information:

Parker Hannifin Corporation
Chomerics Division
77 Dragon Court
Woburn, MA 01801

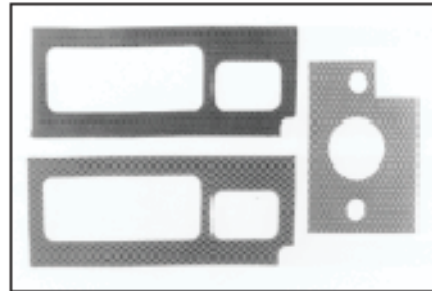
phone 781 935 4850

fax 781 933 4318

chomailbox@parker.com

www.chomerics.com

www.parker.com/chomerics



PORCUPINE METALASTIC

EMI Gasketing with Pressure Seal

PORCUPINE METALASTIC is available in two forms: EMI shielding with pressure seal filled and EMI shielding only (un-filled). Shielding is provided by severely expanded Monel or Aluminum foil. For composite shielding and pressure sealing, the expanded Monel is filled with a silicone or fluorosilicone elastomer. The material gains its excellent compressibility from very uniform thickness. The expanded Monel provides dozens of contact points per square inch of surface area, assuring moderate shielding effectiveness.

PORCUPINE METALASTIC gasketing is intended for applications in which joint unevenness is less than 0.003 in. (0.08 mm) and where the gasket must be less than 4 x 6 in. (102 x 152 mm). These gaskets are not intended to be re-used after joints are opened.

METALASTIC and PORCUPINE METALASTIC - Product Information

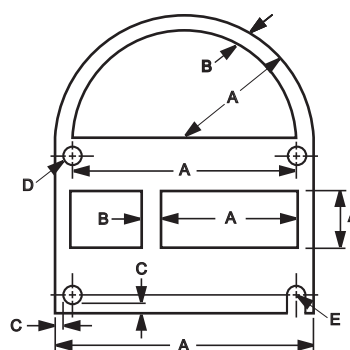
Ordering Information

Sheet gasketing: Order by part number from Table 1 or 2. All METALASTIC sheets are 8.0 in. wide (20.32 cm), and PORCUPINE METALASTIC sheets are 12 in. (30.4 cm) wide. Both are supplied in continuous lengths. Custom die-cut gaskets: Specify material from the table by part number and submit a drawing. For gaskets exceeding standard width, a miter or ovetail joint is recommended. For additional assistance, contact Parker Chomerics Applications Engineering Department.

Table 1

METALASTIC SHEETS inches (mm)				
Thickness	Material	Filled	Width	Part No.
0.016 ±0.004 (0.40 ±0.10)	Aluminum	Silicone	8.00 +0.25 -0.00	04-0502
	Aluminum	Fluorosilicone		04-1802
	Aluminum	Neoprene		04-0602
0.020 ±0.004 (0.51 ±0.10)	Aluminum	Silicone	(203 +6.35 -0.00)	04-0102
	Aluminum	Fluorosilicone		04-1802
	Aluminum	Neoprene		04-0202

Dimensions for METALASTIC and PORCUPINE METALASTIC Die-Cut Gaskets



(Fully dimensioned drawings required)

Table 2

PORCUPINE METALASTIC SHEETS inches (mm)				
Thickness	Material	Filled	Width	Part No.
0.020 ±0.004 (0.51 ±0.10)	Monel	No	12.00 ±0.25 (305 ±6.35)	08-0601
	Monel	Silicone		08-0201
	Monel	Fluorosilicone		08-1701
	Aluminum	No		08-0602
	Aluminum	Silicone		08-0202
	Aluminum	Fluorosilicone		08-1702
0.030 ±0.004 (0.76 ±0.10)	Monel	No	(305 ±6.35)	08-0501
	Monel	Silicone		08-0101
	Monel	Fluorosilicone		08-1001
	Aluminum	No		08-0502
	Aluminum	Silicone		08-0102
	Aluminum	Fluorosilicone		08-0502
	Monel	Fluorosilicone		08-1002

METALASTIC GASKET TOLERANCES inches (mm)	
DIMENSIONS	Tolerances
A 0-4.000 [0-102] > 4.000 (> 102)	±0.015 (±0.38) ±0.030 (±0.76)
B Min. Width	0.125 (3.18)
C Min. Wall Thickness	0.080 (2.03)
D Slot	If min. wall thickness C cannot be accommodated, holes should be changed to slots.

PORCUPINE METALASTIC GASKET TOLERANCES inches (mm)	
DIMENSIONS	Tolerances
A 0-4.000 [0-102] > 4.000 (> 102)	±0.015 (±0.38) ±0.030 (±0.76)
B Min. Width	0.140 (3.56)
C Min. Wall Thickness	0.090 (2.28)
D Slot	If min. wall thickness C cannot be accommodated, holes should be changed to slots.

www.chomerics.com
www.parker.com/chomerics

CHOMERICS is a registered trademarks of Parker Hannifin Corporation. © 2012