



Carbae™ 105 and Carbae™ 108 are state-of-the-art carbon fiber packings that control your maintenance costs, without compromising performance. Carbae™ 105 is made from a 95% carbon assay, aerospace-grade fiber, coated with PTFE throughout. Carbae™ 108 uses the same fiber but is coated with a unique graphite dispersion.

Both Carbae™ 105 and Carbae™ 108 offer a low coefficient of friction and high thermal conductivity, so your process runs cooler and the packing lasts longer. For unparalleled economy and performance, choose the Carbae™ family of packing.



Specifications

105	108
Materials of Construction 95% carbon assay fiber; PTFE coating	95% carbon assay fiber; graphite dispersion
Temperature -328°F (-200°C) to +600°F (+316°C) atmosphere To +1200°F (+650°C) steam	-328°F (-200°C) to +850°F (+455°C) atmosphere To +1200°F (+650°C) steam
pH Range 0-14 (except strong oxidizers)	0-14 (except strong oxidizers)
Shaft Speed To 3,000 fpm (15 m/sec)	To 4,000 fpm (20 m/sec)
Pressure* To 500 psi (35 bar) Rotary/Centrifugal	To 500 psi (35 bar) Rotary/Centrifugal; To 2,500 psi (172 bar) Valves

*There are no known pressure limits that have been determined when Carbae™ 108 is combined as end ring material with die-formed GRAPH-LOCK™ center rings in valve installations.

Carbae™ 108 can be certified to contain less than 200 ppm leachable chlorides on request.

Value & Benefits

- Excellent cost/use ratio
- Ideal for most industrial equipment
- Compatible with a wide variety of chemicals
- Easy to install and remove

Ideal for

- Power generation
- Chemical/petrochemical
- Pulp & paper
- Primary metals
- General industrial use

Garlock

SEALING TECHNOLOGIES®

an EnPro Industries company

Ordering Information

Size (Inches)	Standard Pkg/Min Order	<i>Carbae 105</i>		<i>Carbae 108</i>	
		Order Code	Yield ft/lb	Order Code	Yield ft/lb
1/8	1 lb. spool	40405-1008	74.1	40408-1008	125
	2 lb. spool	40405-1208		40408-1208	
	5 lb. spool	40405-2008		40408-2008	
3/16	1 lb. spool	40405-1012	31.9	40408-1012	55.6
	2 lb. spool	40405-1212		40408-1212	
	5 lb. spool	40405-2012		40408-2012	
1/4	2 lb. spool	40405-1216	23.3	40408-1216	29.0
	5 lb. spool	40405-2016		40408-2016	
5/16	2 lb. spool	40405-1220	15.9	40408-1220	19.8
	5 lb. spool	40405-2020		40408-2020	
3/8	5 lb. spool	40405-2024	11.5	40408-2024	13.8
	10 lb. spool	40405-3024		40408-3024	
7/16	5 lb. spool	40405-2028	8.3	40408-2028	10.1
	10 lb. spool	40405-3028		40408-3028	
1/2	5 lb. spool	40405-2032	6.5	40408-2032	8.4
	10 lb. spool	40405-3032		40408-3032	
9/16	5 lb. spool	40405-2036	5.4	40408-2036	6.9
	10 lb. spool	40405-3036		40408-3036	
5/8	5 lb. spool	40405-2040	4.4	40408-2040	5.5
	10 lb. spool	40405-3040		40408-3040	
3/4	5 lb. spool	40405-2048	3.3	40408-2048	3.8
	10 lb. spool	40405-3048		40408-3048	
7/8	10 lb. spool	40405-3056	2.3	40408-3056	2.9
1	10 lb. spool	40405-3064	1.6	40408-3064	2.5

AUTHORIZED REPRESENTATIVE

WARNING:

Properties/applications shown throughout this brochure are typical. Your specific application should not be undertaken without independent study and evaluation for suitability. For specific application recommendations consult Garlock. Failure to select the proper sealing products could result in property damage and/or serious personal injury.

Performance data published in this brochure has been developed from field testing, customer field reports and/or in-house testing.

While the utmost care has been used in compiling this brochure, we assume no responsibility for errors. Specifications subject to change without notice. This edition cancels all previous issues. Subject to change without notice.

GARLOCK is a registered trademark for packings, seals, gaskets, and other products of Garlock.

© Garlock Inc 2007. All rights reserved worldwide.

Garlock
SEALING TECHNOLOGIES®

an EnPro Industries company

Garlock Sealing Technologies
1666 Division Street
Palmyra, New York 14522 USA
1-315-597-4811
1-800-448-6688
Fax: 1-800-543-0598
1-315-597-3039

www.garlock.com

Other Garlock facilities are located in:

Columbia, SC, USA
Phone 1.803.783.1880
Fax 1.803.783.4279

Houston, TX, USA
Phone 1.281.459.7200
Fax 1.281.458.0502

Sydney, Australia
Phone 61.2.9793.2511
Fax 61.2.9793.2544

São Paulo, Brazil
Phone 55.11.4352.6161
Fax 55.11.4352.8181

Sherbrooke, Canada
Phone 1.819.563.8080
Fax 1.819-563.5620

W. Yorkshire, England
Phone 44.1422.313600
Fax 44.1422.313601

Saint-Étienne, France
Phone 33.4.7743.5100
Fax 33.4.7743.5151

Neuss, Germany
Phone 49.2131.3490
Fax 49.2131.349.222

Mexico City, Mexico
Phone 52.555.567.7011
Fax 52.555.368.0418

Singapore
Phone 65.6285.9322
Fax 65.6284.5843

Shanghai, China
Phone 86.021.62789702
Fax 86.021.62787826

Dubai, UAE
Phone 971.4.8833652
Fax 971.4.8833682