Advancing the Science of Sealing[™]



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 | -328°F (-200°C) to +850°F (+455°C) atmosphere | | |
| To +1200°F (+650°C) steam | 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

Ordering Information

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

 $\ensuremath{\mathsf{GARLOCK}}$ is a registered trademark for packings, seals, gaskets, and other products of Garlock.

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an EnPro Industries company

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