Garlock
SEALING TECHNOLOGIES®

an EnPro Industries company

CARBON PACKINGS

A special Garlock process produces long-staple carbon fibers with life expectancies and thermal characteristics not found in similar products. Low friction coefficients are standard for less shaft wear and lower maintenance/replacement costs. Garlock carbon fibers also offer more value per pound than asbestos-based packings.

STYLE 98

Manufactured from high purity (95+ carbon assay) pitch-based carbon staple yarn. Individual yarns are single-end coated and single-end dried prior to braiding with high temperature non-petroleum based lubricant with graphite dispersion. Lubricant to be applied again after braiding.

Product to be Engineering-rated to be used at 1200°F/2500 psi combined in valve service in a 5-ring set, and certified to be AP- 607 fire safe.

Recommended under following service conditions:

TEMPERATURE	-200°F to +850°F in atmosphere -130°C to +455°C To 1200°F (650°C) in steam
PH RANGE	0 - 14 (except strong oxidizers)
SHAFT SPEED	To 4000 fpm plus
PRESSURE*	To 500 psi (35 Bar) Rotary/Centrifugal To 2500 psi (172 Bar) Valves
CONSTRUCTION	LATTICE BRAID®

Certifiable to less than 200 ppm leachable chlorides on request.

*There are no known pressure limits that have been determined when Style 98 is combined as end-ring material with die-formed GRAPH-LOCK® center rings.

Standard tolerances for braided packing:

- Up to & including 1.00” cross section ±0.03” (± 0.8 mm)
- Over 1.00” cross section ±0.06” (± 1.6 mm)

Standard Yield* data for Style 98:

Cross Section, Inches	Yield, ft/lb
0.125	149.0
0.188	52.9
0.250	31.2
0.313	21.3
0.375	13.8
0.438	10.6
0.500	8.9
0.563	7.0
0.625	6.6
0.750	4.4
0.875	3.4
1.000	2.4

* Yield is only an estimate, tolerance is ± 10% of given value.