

RAITECH® ACRI:PACK® 182G

ACRI:PACK® P Synthetic Fiber
+ Graphite Impregnation.



The ideal substitute for graphite
asbestos packings.

The ACRI:PACK® 182G packing is manufactured from high-strength synthetic acrylic fibers, selected for their excellent mechanical and thermal stability.

Each filament of ACRI:PACK® 182G undergoes a deep impregnation process with high-purity micronized graphite and a high-temperature inert lubricant.

This combination drastically reduces the coefficient of friction, protecting the shaft against wear and facilitating the initial break-in of equipment, while also supporting peripheral speeds of up to 8 m/s in operation.

ACRI:PACK® 182G is ideal for applications in all types of industrial equipment, due to the following advantages:

- **Shaft Protection:** The micronized graphite acts as a solid lubricant that fills the micro-irregularities of the shaft sleeve, reducing metal wear.
- **Ease of Installation:** Unlike carbon or aramid fibers, acrylic fiber is very malleable and easy to cut, ensuring a quick fit in the cable glands.

Cost-Effectiveness: It is the most economical option for general services that do not require the extreme chemical resistance of PTFE or the mechanical strength of aramid.

Thermal Resilience: Added lubricants prevent the packing from becoming brittle, maintaining the elasticity necessary to absorb shaft vibrations.

Common equipment:

- High-pressure centrifugal pumps.
- Reciprocating pumps.
- Mixers.
- Agitators.

Common fluids:

- Wastewater.
- Light sludge.
- Brine.
- Vegetable oils.
- Solvents.
- Condensate.

TECHNICAL DATA

Properties:	ACRI:PACK® 182G	Packing
Composition:	ACRI:PACK® P Synthetic Fiber + Graphite Impregnation.	
Temperature, Max:	482 °F	
Temperature, Min:	-40 °F	
Max. Pressure, Rotating:	290 psi	
Max. Pressure, Reciprocating:	1,015 psi	
Max. Pressure, Valves:	1,450 psi	
Shaft Speed:	1,575 fpm	
pH Range:	4-10	

***The maximum temperature and pressure limits should not occur simultaneously.*

AVAILABILITY:

Availability:	ACRI:PACK® 182G	Packing
1/8", 5# Boxes:	77.83	ft / lbs.
3/16", 5# Boxes:	47.92	ft / lbs.
1/4", 5# Boxes:	22.92	ft / lbs.
5/16", 5# Boxes:	15.03	ft / lbs.
3/8", 5# Boxes:	10.57	ft / lbs.
7/16", 5# Boxes:	8.63	ft / lbs.
1/2", 5# Boxes:	5.80	ft / lbs.
9/16", 5# Boxes:	4.76	ft / lbs.
5/8", 11# Boxes:	3.87	ft / lbs.
3/4", 11# Boxes:	2.83	ft / lbs.
7/8", 11# Boxes:	2.23	ft / lbs.
1", 11# Boxes:	1.79	ft / lbs.
Thickness Tolerance:	±10 %	
Notes:	The packaged product may have a variation of ±10%. *Other millimeter measurements and larger cross-sections are available upon request.	

www.raitech.mx

RAIPACK®

All technical information and recommendations given in this document are based on our experiences, however, we do not accept any liability. The data and values presented must be reviewed by the user, assuming that success in sealing can only occur by evaluating all parameters and variables directly on the job site. The parameters in this document are approximate and may have mutual influence if they occur simultaneously, please contact us in critical applications or where there is doubt.