

RAITECH® FLUORO:MASTER® FG



X-CROSS
PATTERN



Common fluids:

- Syrups and juice.
- Solvents.
- Alcohols.
- Ketones.
- Esters and ethers.
- Brine.

Common equipment:

- Centrifugal pump
- Mixers.
- Agitators.
- Valves.
- Refiners.



A development based on high-performance expanded PTFE and NSF lubricant.

Diagonal X-CROSS™ braided packing made from FLUORO:MASTER® FG fibers based on expanded PTFE. Each fiber undergoes a deep impregnation process with a thermally stable NSF lubricant that acts as a hydrodynamic shield, eliminating start-up friction and protecting shaft integrity from the very first moment of operation.

The high-density X-CROSS™ braid eliminates internal "leakage paths," ensuring that even under fluctuating pressures, the packing maintains its shape memory and sealability.

FLUORO:MASTER® FG withstands temperatures from -210°C to +280°C. It can also operate in high-speed applications up to 10 m/s thanks to its low coefficient of friction and has the necessary purity for use in applications where contamination is unacceptable.

Its high flexibility and adaptability allow it to conform uniformly to irregular surfaces, frequently found on damaged shafts.

Non-contaminating: FLUORO:MASTER® FG does not stain or contaminate the media, making it ideal for finished products. It features an NSF-approved lubricant for incidental food contact.

Extends service life: Its high-density braided structure resists extrusion, extending preventive maintenance intervals.

High chemical resistance (pH 0-14): Inert to almost all commercial chemicals.

Dimensional stability: Does not harden, shrink, or swell significantly in service.

**Note: Not for use in applications involving oxygen, chromic acid, elemental fluorine, or fuming sulfuric acid.*

TECHNICAL DATA

Properties:	FLUORO:MASTER® FG	Packing
Composition:	ePTFE FLUORO:MASTER® X + NSF Lubricant	
Temperature, Max:		536 °F
Temperature, Min:		-148 °F
Max. Pressure, Rotating:		290 psi
Max. Pressure, Reciprocating:		508 psi
Max. Pressure, Valves:		2,031 psi
Shaft Speed:		1,969 fpm
pH Range:		0-14

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

AVAILABILITY:

Availability:	FLUORO:MASTER® FG	Packing
1/8", 5# Boxes:		70.84 ft / lbs.
3/16", 5# Boxes:		38.99 ft / lbs.
1/4", 5# Boxes:		18.90 ft / lbs.
5/16", 5# Boxes:		12.95 ft / lbs.
3/8", 5# Boxes:		8.33 ft / lbs.
7/16", 5# Boxes:		6.85 ft / lbs.
1/2", 5# Boxes:		5.06 ft / lbs.
9/16", 5# Boxes:		4.17 ft / lbs.
5/8", 11# Boxes:		3.42 ft / lbs.
3/4", 11# Boxes:		2.38 ft / lbs.
7/8", 11# Boxes:		1.79 ft / lbs.
1", 11# Boxes:		1.34 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.