

RAITECH® FLUORO:MASTER® X

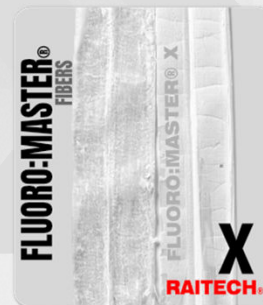


Common Fluids:

- Gases.
- Condensates.
- Hydrocarbons.
- Solvents.
- Alcohols.
- Ketones.
- Aromatics.
- Chlorinates.
- Esters and Ethers.
- Caustic Soda.
- Potassium Hydroxide.
- Ammonia.
- Sulfuric Acid.
- Hydrochloric Acid.
- Acetic Acid.

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Data Sheet.



Common equipment:

- Centrifugal pumps.
- Mixers.
- Agitators.
- Valves.

A development based on high-performance expanded PTFE, silicone lubricant.

Diagonal X-CROSS™ pattern braided packing made from FLUORO:MASTER® X fibers based on expanded PTFE. Each fiber undergoes a deep impregnation process with a high thermal stability silicone that acts as a hydrodynamic shield, eliminating start-up friction and protecting shaft integrity from the 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 and sealability.

FLUORO:MASTER® X 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 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® X does not stain or contaminate the pumped medium, making it ideal for finished products.

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, food, elemental fluorine, or fuming sulfuric acid.*

FOR FOOD APPLICATIONS, USE MODEL FLUORO:MASTER® FG.

TECHNICAL DATA

Properties:	FLUORO:MASTER® X	Packing
Composition:	ePTFE FLUORO:MASTER® X + Silicone based 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® X	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.

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.

Trusted Sealing Solutions.