

# Technical Data Sheet



## FMP 404 PTFE

### Typical Applications: Valves, Pumps, Mixers

#### Service Media & conditions :

Suitable for Valves used in Chemical, Food & Pharmaceutical industry. Water Handling equipment Mixers & fermentation equipment. Also for highly aggressive & corrosive media.



#### Supply Data:

**Size Range :** 6 x 6 to 40 x 40 mm  
**Form :** Square

#### Technical Data:

<b>Material Number :</b>	<b>FMP 404</b>
<b>Type of Fibre :</b>	PTFE
<b>Carrier Fibre :</b>	-
<b>Type of Core :</b>	PTFE
<b>Metal Insertion/Jacketing</b>	-
<b>Application Limit</b>	-200°C to 280°C
<b>Decomposition :</b>	280°C
<b>Operating Pressure (Max.) Rotating</b>	35 Bar
<b>Operating Pressure (Max.) Oscillating</b>	100 Bar
<b>Max Operating Pressure :</b>	200 Bar
<b>Temperature of Carrier Fibre :</b>	
<b>pH</b>	0 - 14
<b>Density (g/cm<sup>3</sup>)</b>	1.5 - 1.6
<b>Colour</b>	White

#### Physical Properties:

Size (mm)	6	8	10	12	16	18	20	25	30	40	
Weight (g/m)	50	99	155	223	397	502	620	969	1395	2480	

#### Product versions:

FMP 404- Impregnated with special lubricants to reduce stem friction & corrosion inhibitor .

Also available FMP 404 S- Dry PTFE without lubrication.

## Chemical Resistance Chart

1	Water	●
2	Steam	●
3	Natural Solutions	●
4	Dilute Acids	●
5	Mild Acids	●
6	Concentrated Acids	●
7	Dilute Alkalies	●
8	Strong Alkalies	●
9	Inert Gases	●
10	Acidic Vapours/ Gases	●
11	Solvents	●
12	Organic Compounds	●
13	Mineral Oil	●
14	Synthetic Oil	●
15	Abrasive Media	●
16	Bitumen	●
17	Lacquires	●

Legends : ● Suitable    ● Conditional Suitable    ● Not Suitable

All data quoted above are based on years of experience in production & operation of sealing elements, in view of the wide variety of possible installation & operating conditions one can not draw final conclusion in all application cases regarding the behaviour in gasket joint. The data may not therefore, be used to support any warranty claims.  
Should you have any doubts about the choice of gasket material, please refer to us. Our engineering cell will be happy to assist you.

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